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ABSTRACT

This document presents a summary of the characteristics (age, previous participation, geographic distribution, major educational assignment, subject matter responsibility, level of assignment, and name of school where employed) of applicants and participants in National Science Foundation (NSF) funded institutes and research participation programs for science, mathematics, and engineering teachers throughout the United States during the summer of 1963 and the 1963-64 school year. (SL)

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*Summary*

*of the*

# APPLICANT RECORD CARDS

*submitted to the*

*SUMMER 1963*

*and*

*SCHOOL YEAR 1963 - 64*

*NATIONAL SCIENCE FOUNDATION*

*INSTITUTES, CONFERENCES*

*and*

*RESEARCH PARTICIPATION PROGRAMS*

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D. C.

SE 023 910

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# Research Participation Programs

Prepared for the National Science Foundation

by

Ernest E. Blanche & Associates, Inc.
Kensington, Maryland

Under Contract NSF-C 273

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FOREWORD

The National Science Foundation Institute programs are designed to make it possible for in-service teachers in elementary schools, secondary schools, and colleges to obtain addtional instruction and become acquainted with new developments in science and mathematics.

Among Foundation-supported training programs for teachers, the following major types are included in this summary:

1. Summer Institutes, which offer an average of seven weeks of intensified study to college, high school and elementary school teachers;
2. Summer Conferences, which are short-term programs for college teachers;
3. Academic Year Institutes, which are conducted through the entire academic year offering full-time study for college and high school teachers;
4. In-Service Institutes for high school teachers of science and mathematics, und for elementary school supervisors and teachers;
5. Research Participation Programs, which offer teachers in small colleges and secondary schools a summer program of laboratory research work.

The Foundation provides support for Institutes on the basis of proposals submitted by colleges and universities outlining the work that will be offered. Foundation funds may be used to pay the principal management and instructional costs, and provide stipends and travel dependency allowances for teacher-participants, except for In-Service Institutes, which do not provide stipends or dependency allowances. Institutions receiving grants are responsible for the administration of Institute programs, including selection of faculty and teacher-participants, payment of stipends, planning and conduction of courses, seminars, and activities.

An Institute may offer work in a single field (i.e., biology) or in several areas (i.e., chemistry, physics, and mathematics). Graduate credit is frequently available to those who complete the work successfully; a sequence of

## NATIONAL SCIENCE FOUNDATION
**SUMMER INSTITUTES APPLICANT RECORD CARD**
*(SEE REVERSE SIDE FOR INSTRUCTIONS)*

1. APPLICATION MADE TO: Michigan State University (NAME OF INSTITUTION)

2. NAME OF DIRECTOR: Dr. Thomas Lough

3. NAME (COMPLETE): Clark (LAST) Laura (FIRST) A. (MID. INITIAL) — MALE ☐ FEMALE ☒

4. SOCIAL SECURITY NO. 5253-160-36 — 5. DATE OF BIRTH: MO. 8 DAY 17 YEAR 33

6. CURRENT RESIDENCE: 3410 (NUMBER) Glenmoor Drive (STREET)
Jackson (CITY) 2 (ZONE) Michigan (STATE)

7. MAJOR LEVEL OF ASSIGNMENT: CHECK ONE
COLLEGE ☐ JUNIOR COLLEGE ☐
SECONDARY: GRADES 7-8 OR 9 ☐ GRADES 9-12 OR 10-12 ☒
ELEMENTARY (1-6) ☐ OTHER _____ ☐

8. MAJOR ASSIGNMENT: CHECK ONE
TEACHING ☒ RESEARCH ☐
SUPERVISION ☐
ADMINISTRATION ☐
OTHER _____ ☐

9. SUBJECT MATTER RESPONSIBILITIES THIS TERM:
BIOLOGY ☐ GENERAL SCIENCE ☐
CHEMISTRY ☐ MATHEMATICS ☒
EARTH SCIENCES ☐ PHYSICS ☐
ENGINEERING ☐ OTHER _____ ☐

11. NAME OF SCHOOL OR INSTITUTION WHERE EMPLOYED:
Bethesda Chevy Chase H.S.
CITY: Jackson STATE: Michigan

10. PREVIOUS ATTENDANCE AT NSF TEACHER TRAINING PROGRAMS.

| NAME OF INSTITUTION | PROGRAM | YEAR | SUPPORT: FULL | PART | NONE |
|---|---|---|---|---|---|
| Penn State | 9I | 1962 | ✓ | | |
| Univ. of Mich. | SI | 1961 | | ✓ | |
| | | | | | |
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DO NOT WRITE IN SPACE BELOW — For Director's use only

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## NATIONAL SCIENCE FOUNDATION
## DIVISION OF SCIENTIFIC PERSONNEL AND EDUCATION
### INSTRUCTIONS TO THE APPLICANT

THIS CARD MUST ACCOMPANY EVERY APPLICATION SUBMITTED TO A TEACHER-TRAINING PROGRAM SPONSORED BY THE NATIONAL SCIENCE FOUNDATION. PLEASE PRINT. DO NOT FOLD, SPINDLE OR MUTILATE.

DIRECTIONS FOR COMPLETING ITEMS 9 AND 10.

9. SUBJECT MATTER RESPONSIBILITY - MARK THE BOX BY EACH SUBJECT IN WHICH YOU HAVE A SPECIFIC RESPONSIBILITY UNDER YOUR MAJOR ASSIGNMENT.

10. BEGINNING WITH MOST RECENT PROGRAM ATTENDED FURNISH THE FOLLOWING INFORMATION:

NAME OF INSTITUTION - PRINT NAME OF INSTITUTION AT WHICH YOU PARTICIPATED IN AN NSF-SUPPORTED TEACHER-TRAINING PROGRAM.

PROGRAM - INSERT THE APPROPRIATE ABBREVIATION (LISTED BELOW) TO INDICATE TYPE OF PROGRAM ATTENDED AT THAT INSTITUTION:

AYI - ACADEMIC YEAR INSTITUTE FOR TEACHERS OF MATHEMATICS OR SCIENCE
ISI - IN SERVICE INSTITUTE FOR TEACHERS OF MATHEMATICS OR SCIENCE
RPTT - RESEARCH PARTICIPATION FOR TEACHER TRAINING
FEL - SCIENCE FACULTY AND OTHER FELLOWSHIP PROGRAMS
SFSST - SUMMER FELLOWSHIP FOR SECONDARY SCHOOL TEACHERS
CONF - SUMMER CONFERENCE FOR COLLEGE TEACHERS
SI - SUMMER INSTITUTE FOR TEACHERS OF MATHEMATICS OR SCIENCE

YEAR - INDICATE THE CALENDAR YEAR DURING WHICH YOUR ATTENDANCE AT THAT PROGRAM BEGAN.

SUPPORT - CHECK TO INDICATE WHETHER YOU PARTICIPATED UNDER FULL ALLOWABLE SUPPORT, PARTIAL SUPPORT, OR NO SUPPORT FROM NSF FUNDS DURING YOUR ATTENDANCE AT THAT PROGRAM.

THIS APPLICATION RECORD MUST BE SENT WITH YOUR APPLICATION FORM TO THE PROGRAM DIRECTOR. HE WILL FORWARD IT TO THE FOUNDATION.

GPM 041522 NSF FORM 9C-25R, NOV. 1962 BUDGET BUREAU NO. 99-R080.3, APPROVAL EXPIRES DEC. 31, 1963

summer programs, or an Academic Year Institute, can lead to a Master's degree. Institutes are characterized by offering subject-matter courses especially designed for the teachers who attend and by being organized to give ample opportunity for informal contacts outside the classroom among the participants and staff.

Directors of the respective Institutes and Programs submitted Applicant Record Cards to the National Science Foundation on standard NSF forms, with data entered by the applicant and checked as required. Although some applicants neglected to enter all the information or to check all boxes as required, the number of all such errors and omissions was relatively small (less than one percent).

The Applicant Record Cards (same size as IBM cards) were alike for each program, except for color of printing and specific program identification.

The standard code for each Institution and Institute was punched into the Applicant Record Cards.

Data from all cards submitted were converted to IBM punch cards in the format listed below for processing on IBM equipment.

| Item | Card Columns |
|---|---|
| Institution Number | 1 - 5 |
| | 6 - blank |
| First Name Initial; Middle Initial | 7 - 8 |
| Last Name | 9 - 20 |
| Social Security Number | 21 - 29 |
| Date of Birth | 30 - 35 |
| Street Address | 36 - 49 |
| City | 50 - 59 |
| State | 60 - 64 |
| Major Assignment | 65 |
| Subject Matter Responsibilities | 66 |
| Academic Level of Major Assignment | 70 |
| Previous Attendance at NSF-sponsored programs | 71 |
| Stipends for Participants | 72 |
| Program Code | 78 - 79 |
| Year of Program | 80 |

A second set of cards was punched for all participants, indicating at what college, university, high school or other institution the person was employed.

This name and its city-state location was punched into the columns set aside for address (columns 36-64). All other columns were the same as in the card indicating address of residence.

The processing of these cards to produce the respective tables usually required the sorting of cards by the specific item or code to put the cards in proper sequence and then summarizing on the IBM 407 tabulator or the IBM 1401 computer.

Tables involving separation by year of birth and computation of averages and percentages were produced on the 1401 computer.

Directors forwarded a total of 243,420 applications to the Foundation from 95,369 applicants, of whom 42,939 were participants in the Institutes programs. This report summarizes the characteristics and distribution of the applications, applicants, and participants in the institution and research participation programs funded by the National Science Foundation for special advanced training of science, mathematics, and engineering teachers throughout the United States.

## Section I

### Size and Scope of Institutes Programs

During the summer of 1963 and school year of 1963-64, the National Science Foundation supported 1,022 Institute programs. Of these, 523 were Summer Institutes, 35 were Summer Conferences, 58 were Academic Year Institutes, 314 were In-Service Institutes, and 92 were Research Participation Programs. Table 1 shows the number of applications, applicants, and participants in the five major programs.

Table 1. NUMBERS OF APPLICATIONS, APPLICANTS, AND PARTICIPANTS IN FIVE MAJOR NSF PROGRAMS DURING 1963-64

| Program | Applications | Applicants | Participants |
|---|---|---|---|
| Summer Institutes | 205,599 | 70,888 | 24,819 |
| Summer Conferences | 1,462 | 1,217 | 1,035 |
| Academic Year Institutes | 16,892 | 6,359 | 1,826 |
| In-Service Institutes | 16,235 | 15,358 | 14,550 |
| Research Participation Programs | 3,232 | 1,547 | 709 |
| TOTAL | 243,420 | 95,369 | 42,939 |

Institute directors received over 243,000 applications from more than 95,000 applicants, of whom nearly 43,000 were selected for participation. The directors of Summer Institutes received over 206,000 applications, about 85 percent of the total submitted.

A total of 42,939 persons participated in the 1963-64 programs, indicating an average ratio of 5.67 applications per participant. Applicants submitted an average of 2.55 applications per person for all programs combined.

Three-fourths of the programs were established for secondary school teachers, approximately eight percent were planned for college teachers, approximately eight percent were planned for elementary school teachers, and the remainder were planned for combined levels. Since programs of various types were established for several

teaching levels, data are presented for eleven different program types.

Table 2 summarizes numerical data of the eleven major program types arranged by the teaching level of the program.

Table 2. SUMMARY OF APPLICANT AND PARTICIPANT DATA BY ACADEMIC LEVEL AND PROGRAM TYPE

| Type of Program | No. of Programs | No. of Applications | No. of Applicants | No. of Participants |
|---|---|---|---|---|
| COLLEGE | | | | |
| Academic Year Institutes | 2 + (14) | 707 | 201 | 77 |
| Summer Institutes | 67 + (8) | 14,998 | 8,499 | 2,094 |
| In-Service Institutes | 1 + (3) | 106 | 97 | 87 |
| Conferences | 35 | 1,462 | 1,217 | 1,035 |
| Research Programs | 55 | 1,490 | 740 | 385 |
| Total | 160 + (25)* | 18,763 | 10,754 | 3,678 |
| SECONDARY | | | | |
| Academic Year Institutes | 42 + (14) | 16,185 | 6,158 | 1,749 |
| Summer Institutes | 414 + (8) + (1) | 176,939 | 56,555 | 21,516 |
| In-Service Institutes | 264 + (1) + (3) | 14,198 | 13,494 | 12,982 |
| Research Programs | 37 | 1,742 | 807 | 324 |
| Total | 757 + (27) | 209,064 | 77,014 | 36,571 |
| ELEMENTARY | | | | |
| Summer Institutes | 33 + (1) | 13,662 | 5,834 | 1,209 |
| In-Service Institutes | 45 + (1) | 1,931 | 1,767 | 1,481 |
| Total | 78 + (2) | 15,593 | 7,601 | 2,690 |
| TOTAL All Programs | 995 + (27) = 1,022 | 243,420 | 95,369 | 42,939 |

* Numbers in parentheses indicate institutes which were held for teachers in combined levels as follows: (14 AYI college and secondary), (8 Summer Institutes for college and secondary), (3 In-Service Institutes for college and secondary), (1 In-Service Institute for secondary and elementary), and (1 Summer Institute for secondary and elementary).

SUBVENTION

In the eight programs which offer stipends to cover living costs, approximately 90 percent of all participants received full stipend. Distribution of the amount of subvention for each of these programs is shown in Table 3.

Since participants in In-Service programs usually receive travel and book allowances only for their subvention, rather than a stipend, data for the three In-Service programs are given in a separate part of the table.

Table 3. DISTRIBUTION OF PARTICIPANTS BY PROGRAM AND BY SUBVENTION

A.

| Type of Program | Total Participants | Granted Full Stipend | Granted Partial Stipend | Granted No Stipend |
|---|---|---|---|---|
| COLLEGE | | | | |
| Academic Year Institute | 77 | 77 | 0 | 0 |
| Summer Institute | 2,094 | 1,787 | 80 | 227 |
| Conference | 1,035 | 954 | 50 | 31 |
| Research | 385 | 382 | 3 | 0 |
| SECONDARY | | | | |
| Academic Year Institute | 1,749 | 1,662 | 78 | 9 |
| Summer Institute | 21,516 | 19,310 | 1,968 | 238 |
| Research | 324 | 313 | 4 | 7 |
| ELEMENTARY | | | | |
| Summer Institute | 1,209 | 1,194 | 14 | 1 |
| Sub-Total | 28,389 | 25,679 | 2,197 | 513 |

B.

| Type of Program | Total Participants | Granted Book and Travel Allowance | Granted No Subvention |
|---|---|---|---|
| In-Service College | 87 | 87 | 0 |
| In-Service Secondary | 12,982 | 12,698 | 284 |
| In-Service Elementary | 1,481 | 1,442 | 39 |
| Sub-Total | 14,550 | 14,227 | 323 |
| TOTAL | 42,939 | 25,679 16,424 | 836 |

Table 4. DISTRIBUTION OF APPLICANTS AND PARTICIPANTS BY MAJOR ASSIGNMENT AND BY LEVEL OF ASSIGNMENT

Applicants

| Level | Teaching | Supervisor | Administrator | Research | Other | Total |
|---|---|---|---|---|---|---|
| College | 7,129 | 29 | 68 | 138 | 107 | 7,521 |
| Jr. College | 1,380 | 4 | 8 | 3 | 48 | 1,443 |
| Secondary 9-12 | 57,826 | 317 | 217 | 162 | 1,283 | 59,805 |
| Secondary 7-9 | 23,493 | 161 | 109 | 74 | 649 | 24,486 |
| Elementary 1-6 | 3,855 | 414 | 302 | 93 | 307 | 4,971 |
| Other | 2,772 | 206 | 191 | 119 | 1,134 | 4,422 |
| TOTAL | 96,505 | 1,131 | 895 | 589 | 3,528 | 102,648 |

Participants

| | | | | | | |
|---|---|---|---|---|---|---|
| College | 2,851 | 13 | 31 | 52 | 38 | 2,985 |
| Jr. College | 899 | 3 | 6 | 2 | 18 | 930 |
| Secondary 9-12 | 22,607 | 99 | 82 | 80 | 443 | 23,311 |
| Secondary 7-9 | 10,635 | 56 | 35 | 26 | 261 | 11,013 |
| Elementary 1-6 | 2,080 | 137 | 98 | 24 | 106 | 2,445 |
| Other | 1,258 | 68 | 69 | 45 | 447 | 1,887 |
| TOTAL | 40,330 | 372 | 318 | 229 | 1,313 | 42,571 |

Table 5. DISTRIBUTION OF APPLICANTS AND PARTICIPANTS BY MAJOR TEACHING ASSIGNMENT AND BY PROGRAM TYPE

Applicants

| Program Type | College | Junior College | Secondary 7-12 | Elementary 1-6 | Other | TOTAL* |
|---|---|---|---|---|---|---|
| SI | 4,892 | 2,274 | 60,290 | 5,882 | 2,313 | 70,888 |
| AYI | 241 | 184 | 5,866 | 84 | 152 | 6,359 |
| ISI | 163 | 121 | 13,704 | 1,392 | 259 | 15,358 |
| Research | 661 | 115 | 741 | 4 | 9 | 1,547 |
| Conference | 931 | 272 | 12 | 5 | 51 | 1,217 |
| TOTAL | 6,888 | 2,966 | 80,613 | 7,367 | 2,784 | 95,369 |

Participants

| | | | | | | |
|---|---|---|---|---|---|---|
| SI | 1,578 | 645 | 21,237 | 975 | 668 | 24,819 |
| AYI | 147 | 30 | 1,652 | 3 | 34 | 1,826 |
| ISI | 128 | 80 | 12,841 | 1,368 | 236 | 14,550 |
| Research | 356 | 55 | 293 | 1 | 4 | 709 |
| Conference | 878 | 121 | 2 | 1 | 38 | 1,035 |
| TOTAL | 3,087 | 931 | 36,025 | 2,348 | 980 | 42,939 |

* Data do not crossfoot horizontally because some participants checked more than one major teaching assignment

## Section II

### Professional Characteristics of Applicants and Participants

Nearly all of the applicants and participants reported that their major assignment was teaching. Some persons indicated that they had more than one major assignment, while some did not check any major assignment. Approximately one percent of the applicants and participants stated that their major assignment was supervision, less than one percent administration, and less than one percent research.

The distribution of applicants and participants cannot be described perfectly because some persons checked more than one teaching assignment. For that reason the percentage breakdown totals more than 100 percent.

### TEACHING ASSIGNMENTS OF APPLICANTS AND PARTICIPANTS

Approximately nine percent of all applicants were teachers in colleges and junior colleges, 85 percent were secondary school teachers, and eight percent were elementary teachers. There were also some supervisors, principals, and other personnel. Approximately 85 percent of all participants were secondary school teachers, six percent elementary teachers, eight percent college teachers, and the remainder occupied supervisory or administrative positions.

Table 5 shows the distribution of applicants and of participants by major teaching assignment and program. The numerical data on any single line do not crossfoot horizontally to the right-hand total because some applicants checked more than one major teaching assignment.

The distribution of participants selected from applicants in the respective subject-matter fields was surprisingly uniform within individual programs. The over-all index of selection for college teachers was 36 percent, ranging from 31 percent to 45 for the eight subject-matter fields. For secondary teachers the average was 45 percent, with a range of 42 percent to 54 percent for the subject-matter fields.

There were significant differences in the selection index from program to program, either because of the numbers of applicants for the available appointments or because of the type of program or length of program.

Table 7, consisting of full-page summaries, presents the distribution by subject-matter responsibilities of applications, applicants, and participants.

The table below shows the percentage of applicants who were selected to participate.

Table 6. PERCENTAGE OF APPLICANTS WHO PARTICIPATED IN EACH SUBJECT-MATTER FIELD BY PROGRAM TYPE

| Program Attended | Biology | Chem. | Earth Science | Engr. | General Science | Math | Physics | Other | Total |
|---|---|---|---|---|---|---|---|---|---|
| COLLEGE | | | | | | | | | |
| AYI | 37 | 38 | 40 | 100 | 35 | 39 | 39 | 33 | 38 |
| SI | 25 | 27 | 26 | 26 | 26 | 26 | 26 | 23 | 26 |
| ISI | 89 | 93 | 92 | 100 | 88 | 94 | 89 | 93 | 92 |
| Conference | 86 | 89 | 86 | 86 | 86 | 86 | 86 | 86 | 87 |
| Research | 56 | 55 | 57 | 62 | 54 | 58 | 58 | 54 | 56 |
| Total | 36 | 43 | 45 | 31 | 37 | 35 | 35 | 32 | 36 |
| SECONDARY | | | | | | | | | |
| AYI | 34 | 33 | 36 | 67 | 33 | 35 | 38 | 32 | 34 |
| SI | 34 | 35 | 36 | 44 | 35 | 35 | 37 | 35 | 35 |
| ISI | 97 | 97 | 96 | 91 | 96 | 98 | 95 | 94 | 97 |
| Research | 54 | 53 | 80 | 100 | 57 | 59 | 59 | 56 | 56 |
| Total | 42 | 43 | 47 | 54 | 44 | 48 | 45 | 46 | 45 |
| GRAND TOTAL | 41 | 43 | 46 | 32 | 44 | 47 | 44 | 43 | 44 |

Table 7. DISTRIBUTION BY SUBJECT-MATTER RESPONSIBILITIES OF APPLICATIONS, APPLICANTS, AND PARTICIPANTS ACCORDING TO ACADEMIC LEVEL AND MAJOR PROGRAM TYPE
(For All But Elementary Teachers)

Applications

| Program Attended | Biology | Chem. | Earth Science | Engr. | General Science | Math | Physics | Other | Total |
|---|---|---|---|---|---|---|---|---|---|
| AYI College | 166 | 118 | 9 | 0 | 62 | 177 | 42 | 39 | 613 |
| Jr. Coll. | 89 | 58 | 2 | 1 | 7 | 94 | 5 | 26 | 282 |
| Total | 255 | 176 | 11 | 1 | 69 | 271 | 47 | 65 | 895 |
| SI College | 2587 | 2076 | 612 | 2282 | 515 | 2862 | 1754 | 1562 | 14250 |
| Jr. Coll. | 1023 | 1130 | 201 | 724 | 211 | 1998 | 1226 | 1119 | 7632 |
| Total | 3610 | 3206 | 813 | 3006 | 726 | 4860 | 2980 | 2681 | 21882 |
| ISI College | 22 | 17 | 3 | 1 | 16 | 69 | 19 | 23 | 170 |
| Jr. Coll. | 18 | 12 | 11 | 2 | 20 | 46 | 12 | 24 | 145 |
| Total | 40 | 29 | 14 | 3 | 36 | 115 | 31 | 47 | 315 |
| Conf.-College | 208 | 392 | 170 | 104 | 24 | 310 | 168 | 127 | 1503 |
| Jr. Coll. | 25 | 12 | 12 | 23 | 2 | 72 | 37 | 16 | 199 |
| Total | 233 | 404 | 182 | 127 | 26 | 382 | 205 | 143 | 1702 |
| Res. -College | 511 | 992 | 109 | 90 | 72 | 178 | 331 | 384 | 2667 |
| Jr. Coll. | 89 | 137 | 4 | 10 | 10 | 13 | 22 | 24 | 309 |
| Total | 600 | 1129 | 113 | 100 | 82 | 191 | 353 | 408 | 2976 |
| TOTAL COLLEGE | 4738 | 4944 | 1133 | 3237 | 939 | 5819 | 3616 | 3344 | 27770 |
| AYI 9-12 | 2560 | 2391 | 311 | 5 | 2146 | 4739 | 1686 | 813 | 14651 |
| 7-9 | 304 | 85 | 124 | 0 | 2002 | 1652 | 83 | 331 | 4581 |
| Total | 2864 | 2476 | 435 | 5 | 4148 | 6391 | 1769 | 1144 | 19232 |
| SI 9-12 | 39067 | 32638 | 4982 | 193 | 27959 | 56307 | 22464 | 15937 | 199547 |
| 7-9 | 4142 | 1142 | 4064 | 26 | 28684 | 23119 | 859 | 4681 | 66717 |
| Total | 43209 | 33780 | 9046 | 219 | 56643 | 79426 | 23323 | 20618 | 266264 |
| ISI 9-12 | 2057 | 1840 | 331 | 23 | 1591 | 4790 | 1418 | 1010 | 13060 |
| 7-9 | 302 | 111 | 363 | 1 | 2238 | 3229 | 106 | 689 | 7039 |
| Total | 2359 | 1951 | 694 | 24 | 3829 | 8019 | 1524 | 1699 | 20099 |
| Res. 9-12 | 477 | 468 | 17 | 1 | 169 | 194 | 193 | 117 | 1636 |
| 7-9 | 51 | 11 | 1 | 0 | 82 | 15 | 6 | 5 | 171 |
| Total | 528 | 479 | 18 | 1 | 251 | 209 | 199 | 122 | 1807 |
| TOTAL SECONDARY | 48960 | 38686 | 10193 | 249 | 64871 | 94045 | 26815 | 23583 | 307402 |
| GRAND TOTAL | 53698 | 43630 | 11326 | 3486 | 65810 | 99864 | 30310 | 26927 | 335172 |

## Applicants

| Program Attended | Biology | Chem. | Earth Science | Engr. | General Science | Math. | Physics | Other | Total |
|---|---|---|---|---|---|---|---|---|---|
| AYI College | 46 | 33 | 4 | 0 | 17 | 49 | 20 | 13 | 182 |
| Jr. Coll. | 25 | 17 | 1 | 1 | 3 | 28 | 3 | 8 | 86 |
| Total | 71 | 50 | 5 | 1 | 20 | 77 | 23 | 21 | 268 |
| SI College | 1218 | 891 | 276 | 1246 | 224 | 1581 | 826 | 867 | 7129 |
| Jr. Coll. | 457 | 512 | 98 | 351 | 101 | 973 | 639 | 542 | 3673 |
| Total | 1675 | 1403 | 374 | 1597 | 325 | 2554 | 1465 | 1409 | 10802 |
| ISI College | 20 | 16 | 3 | 1 | 15 | 64 | 17 | 21 | 157 |
| Jr. College | 17 | 12 | 9 | 2 | 18 | 41 | 10 | 21 | 130 |
| Total | 37 | 28 | 12 | 3 | 33 | 105 | 27 | 42 | 287 |
| Conf. - College | 172 | 316 | 140 | 86 | 20 | 256 | 137 | 105 | 1232 |
| Jr. Coll. | 17 | 9 | 9 | 16 | 1 | 51 | 26 | 11 | 140 |
| Total | 189 | 325 | 149 | 102 | 21 | 307 | 163 | 116 | 1372 |
| Res. - College | 268 | 517 | 49 | 46 | 33 | 85 | 154 | 186 | 1338 |
| Jr. Coll. | 62 | 74 | 2 | 7 | 6 | 8 | 13 | 13 | 185 |
| Total | 330 | 591 | 51 | 53 | 39 | 93 | 167 | 199 | 1523 |
| TOTAL COLLEGE | 2302 | 2397 | 591 | 1756 | 438 | 3136 | 1845 | 1787 | 14252 |
| AYI 9-12 | 1022 | 938 | 127 | 3 | 809 | 1940 | 729 | 326 | 5894 |
| 7-9 | 129 | 33 | 51 | 0 | 781 | 717 | 37 | 121 | 1869 |
| Total | 1151 | 971 | 178 | 3 | 1590 | 2657 | 766 | 447 | 7763 |
| SI 9-12 | 13188 | 11302 | 1657 | 74 | 9246 | 20031 | 8129 | 5364 | 68991 |
| 7-9 | 1423 | 379 | 1302 | 11 | 9422 | 8454 | 313 | 1559 | 22863 |
| Total | 14611 | 11681 | 2959 | 85 | 18668 | 28485 | 8442 | 6923 | 91854 |
| ISI 9-12 | 1946 | 1743 | 307 | 22 | 1482 | 4628 | 1305 | 936 | 12369 |
| 7-9 | 291 | 103 | 341 | 1 | 2117 | 3111 | 98 | 652 | 6714 |
| Total | 2237 | 1846 | 648 | 23 | 3599 | 7739 | 1403 | 1588 | 19083 |
| Res. 9-12 | 231 | 226 | 9 | 1 | 83 | 89 | 94 | 54 | 787 |
| 7-9 | 23 | 5 | 1 | 0 | 39 | 8 | 4 | 3 | 83 |
| Total | 254 | 231 | 10 | 1 | 122 | 97 | 98 | 57 | 870 |
| TOTAL SECONDARY | 18253 | 14729 | 3795 | 112 | 23979 | 38978 | 10709 | 9015 | 119570 |
| GRAND TOTAL | 20555 | 17126 | 4386 | 1868 | 24417 | 42114 | 12554 | 10802 | 133822 |

## Participants

| Program Attended | Biology | Chem | Earth Science | Engr. | General Science | Math | Physics | Other | Total |
|---|---|---|---|---|---|---|---|---|---|
| AYI College | 17 | 13 | 2 | 0 | 6 | 19 | 9 | 4 | 70 |
| Jr. Coll. | 9 | 6 | 0 | 1 | 1 | 11 | 0 | 3 | 31 |
| Total | 26 | 19 | 2 | 1 | 7 | 30 | 9 | 7 | 101 |
| SI College | 309 | 239 | 70 | 331 | 59 | 403 | 216 | 200 | 1827 |
| Jr. Coll. | 117 | 135 | 26 | 90 | 26 | 250 | 164 | 124 | 932 |
| Total | 426 | 374 | 96 | 421 | 85 | 653 | 380 | 324 | 2759 |
| ISI College | 18 | 15 | 3 | 1 | 13 | 60 | 15 | 19 | 144 |
| Jr. Coll. | 15 | 11 | 8 | 2 | 16 | 39 | 9 | 20 | 120 |
| Total | 33 | 26 | 11 | 3 | 29 | 99 | 24 | 39 | 264 |
| Conf. -College | 149 | 218 | 121 | 75 | 17 | 223 | 119 | 91 | 1076 |
| Jr. Coll. | 14 | 7 | 7 | 13 | 1 | 41 | 21 | 9 | 113 |
| Total | 163 | 288 | 128 | 88 | 18 | 264 | 140 | 100 | 1189 |
| Res. - College | 149 | 284 | 27 | 28 | 17 | 48 | 86 | 99 | 738 |
| Jr. Coll. | 37 | 40 | 2 | 5 | 4 | 6 | 11 | 9 | 124 |
| Total | 186 | 324 | 29 | 33 | 21 | 54 | 97 | 108 | 852 |
| TOTAL COLLEGE | 834 | 1031 | 266 | 546 | 160 | 1100 | 650 | 578 | 5165 |
| AYI 9-12 | 344 | 309 | 45 | 2 | 264 | 672 | 278 | 102 | 2016 |
| 7-9 | 46 | 10 | 19 | 0 | 260 | 246 | 14 | 40 | 635 |
| Total | 390 | 319 | 64 | 2 | 524 | 918 | 292 | 142 | 2651 |
| SI 9-12 | 4478 | 3893 | 588 | 30 | 3227 | 7027 | 3026 | 1867 | 24136 |
| 7-9 | 503 | 140 | 491 | 7 | 3320 | 3012 | 126 | 584 | 8183 |
| Total | 4981 | 4033 | 1079 | 37 | 6547 | 10039 | 3152 | 2451 | 32319 |
| ISI 9-12 | 1884 | 1693 | 299 | 20 | 1406 | 4544 | 1243 | 884 | 11973 |
| 7-9 | 278 | 96 | 322 | 1 | 2066 | 3050 | 95 | 605 | 6513 |
| Total | 2162 | 1789 | 621 | 21 | 3472 | 7594 | 1338 | 1489 | 18486 |
| Res. 9-12 | 122 | 120 | 7 | 1 | 44 | 51 | 55 | 30 | 430 |
| 7-9 | 15 | 3 | 1 | 0 | 26 | 6 | 3 | 2 | 56 |
| Total | 137 | 123 | 8 | 1 | 70 | 57 | 58 | 32 | 486 |
| TOTAL SECONDARY | 7670 | 6264 | 1772 | 61 | 10613 | 18608 | 4840 | 4114 | 53942 |
| GRAND TOTAL | 8504 | 7295 | 2038 | 607 | 10708 | 19708 | 5490 | 4692 | 59107 |

Table 9. DISTRIBUTION OF APPLICANTS AND PARTICIPANTS BY AGE GROUPS AND BY PROGRAM

Applicants

| | College | | | | | Secondary | | | | Elementary | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AYI | SI | ISI | Conference | Research | AYI | SI | ISI | Research | ISI | SI |
| 20 & under | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| 21-25 | 12 | 264 | 0 | 7 | 24 | 362 | 3,857 | 1,713 | 73 | 133 | 200 |
| 26-30 | 51 | 1,301 | 5 | 46 | 155 | 2,956 | 12,937 | 3,062 | 235 | 191 | 836 |
| 31-35 | 96 | 1,658 | 5 | 113 | 207 | 1,519 | 11,199 | 2,481 | 238 | 182 | 984 |
| 36-40 | 43 | 1,291 | 1 | 103 | 186 | 896 | 9,615 | 2,011 | 232 | 249 | 961 |
| 41-45 | 30 | 1,025 | 2 | 97 | 131 | 289 | 5,832 | 1,402 | 118 | 216 | 642 |
| 46-50 | 13 | 449 | 5 | 82 | 99 | 104 | 4,599 | 1,164 | 77 | 208 | 501 |
| 51-55 | 7 | 414 | 0 | 75 | 61 | 82 | 3,443 | 896 | 81 | 221 | 317 |
| 56-60 | 3 | 271 | 1 | 62 | 38 | 24 | 1,954 | 687 | 26 | 159 | 201 |
| 61-65 | 3 | 108 | 0 | 26 | 16 | 16 | 502 | 222 | 3 | 42 | 76 |
| 66 & over | 0 | 25 | 0 | 12 | 3 | 7 | 114 | 59 | 0 | 12 | 12 |
| TOTAL | 258 | 6,806 | 19 | 623 | 920 | 6,256 | 54,053 | 13,698 | 1,083 | 1,614 | 4,731 |

Participants

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 & under | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 |
| 21-25 | 4 | 24 | 0 | 5 | 15 | 100 | 1,262 | 1,680 | 16 | 125 | 30 |
| 26-30 | 18 | 327 | 5 | 42 | 63 | 820 | 5,345 | 2,973 | 74 | 176 | 193 |
| 31-35 | 35 | 452 | 5 | 101 | 99 | 393 | 4,688 | 2,316 | 80 | 170 | 277 |
| 36-40 | 17 | 405 | 1 | 93 | 91 | 224 | 3,613 | 1,865 | 73 | 234 | 265 |
| 41-45 | 11 | 341 | 2 | 91 | 49 | 106 | 2,238 | 1,307 | 34 | 198 | 163 |
| 46-50 | 5 | 202 | 5 | 71 | 31 | 36 | 1,518 | 1,090 | 22 | 192 | 120 |
| 51-55 | 2 | 178 | 0 | 60 | 16 | 22 | 1,047 | 856 | 18 | 196 | 80 |
| 56-60 | 0 | 95 | 1 | 42 | 9 | 5 | 607 | 607 | 4 | 133 | 35 |
| 61-65 | 0 | 34 | 0 | 10 | 2 | 1 | 137 | 195 | 0 | 15 | 6 |
| 66 & over | 0 | 5 | 0 | 3 | 1 | 0 | 33 | 40 | 0 | 3 | 0 |
| TOTAL | 92 | 2,063 | 19 | 518 | 376 | 1,708 | 20,489 | 12,930 | 321 | 1,443 | 1,169 |

## Section III

### Ages of Applicants and Participants

Using the dates of birth entered on the Applicant Record Cards submitted by all applicants, it was determined that the youngest applicant was only 19 years of age, while the oldest applicant was 81. These were the extremes. For most programs, the youngest applicant was 20 or 21, the oldest in the 60's. The average age of all applicants in the respective programs ranged from 31 to 42.

For participants the youngest age was around 21 in nearly each program, while the oldest participant was almost always in the 60's. The average age of participants went from a low of 31 years to a high of 42 years, the highest average being for College Conferences.

Table 8 presents the ages of the youngest and oldest applicants and participants, as well as averages of all persons in each program.

Table 9 on the adjacent page presents the distribution of applicants and participants by age groups and by program, the age groups being in intervals of five years.

Persons who did not give year of birth on the Applicant Record Cards were not included in the computation of averages.

Table 8. DISTRIBUTION OF APPLICANTS AND PARTICIPANTS BY AGE AND BY PROGRAM TYPE

| Program Type | Applicants | | | Participants | | |
|---|---|---|---|---|---|---|
| | Youngest | Oldest | Average | Youngest | Oldest | Average |
| COLLEGE | | | | | | |
| AYI | 21 | 63 | 34 | 25 | 55 | 35 |
| SI | 21 | 69 | 38 | 22 | 69 | 37 |
| ISI | 27 | 57 | 38 | 27 | 57 | 38 |
| Conference | 21 | 70 | 42 | 22 | 70 | 42 |
| Research | 22 | 67 | 37 | 23 | 66 | 36 |
| SECONDARY | | | | | | |
| AYI | 20 | 67 | 31 | 20 | 61 | 31 |
| SI | 19 | 81 | 37 | 20 | 81 | 35 |
| ISI | 19 | 81 | 36 | 19 | 81 | 35 |
| Research | 22 | 65 | 36 | 22 | 60 | 35 |
| ELEMENTARY | | | | | | |
| SI | 20 | 80 | 38 | 21 | 64 | 37 |
| ISI | 20 | 72 | 40 | 20 | 67 | 40 |

## Section IV

### Sequential and Consecutive Participation of Applicants and Participants

### A. Participants With Previous Participation

The teachers who indicated previous participation furnished detailed data as to the Institutes and/or Programs they had previously attended, the type of program, the year attended, and the type of stipend. Those who attended more than one previous program listed all Institutes and Programs they attended.

An analysis of data for participants with previous attendance at any Institute or Program showed the following distribution of previous participation:

Table 10. NUMBER AND PERCENT OF PARTICIPANTS WITH PREVIOUS PARTICIPATION

| Attended | Number of Persons | Percent of Total |
|---|---|---|
| One previous program | 13,421 | 60.1 |
| Two previous programs | 5,719 | 25.6 |
| Three previous programs | 2,463 | 11.0 |
| Four previous programs | 644 | 2.9 |
| Five previous programs | 82 | 0.4 |
| TOTAL | 22,329 | 100.0 |
| Incomplete or faulty data | 324 | |

B. Participants With No Previous Participation

Approximately 47 percent of all participants indicated on their Applicant Record Cards that they had not previously attended any NSF-sponsored program, the remaining 53 percent indicating previous participation and listing the programs they had attended in prior years.

The distribution of those participants who had not previously attended an NSF-sponsored program is indicated in Table 11.

Table 11. NUMBER AND PERCENT OF PARTICIPANTS WITHOUT PREVIOUS PARTICIPATION

| | Number of Participants With No Previous Participation | Percentage With No Previous Previous Participation |
|---|---|---|
| COLLEGE | | |
| Academic Year Institutes | 34 | 35% |
| Summer Institutes | 991 | 47% |
| In-Service Institutes | 10 | 52% |
| Conferences | 507 | 48% |
| Research Programs | 167 | 43% |
| SECONDARY | | |
| Academic Year Institutes | 565 | 34% |
| Summer Institutes | 9702 | 48% |
| In-Service Institutes | 5756 | 43% |
| Research Programs | 51 | 16% |
| ELEMENTARY | | |
| Summer Institutes | 906 | 24% |
| In-Service Institutes | 1310 | 89% |
| TOTAL | 19,999 | |

Table 12. EXTENT OF SEQUENTIAL PARTICIPATION

Participants in 1963-64 Who Also Attended Programs at the Same Institution in 1962-63 or 1961-62 or Both

| Total No. in 1963-64 Program | Participated in 1963-64 Program | During 1962-63 TOTAL | SI | AYI | ISI | Res | Conf | During 1961-62 TOTAL | SI | AYI | ISI | Res | Conf | During Both Prior Years TOTAL | SI | AYI | ISI | Res | Conf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | COLLEGE | | | | | | | | | | | | | | | | | | |
| 80 | AYI | 6 | 5 | 0 | 1 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| 2120 | SI | 407 | 339 | 0 | 64 | 3 | 1 | 138 | 117 | 4 | 17 | 0 | 0 | 143 | 139 | 2 | 2 | 0 | 0 |
| 19 | ISI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 527 | Conf. | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 |
| 385 | Res. | 11 | 6 | 1 | 0 | 4 | 0 | 7 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3131 | Total | 424 | 350 | 1 | 65 | 7 | 1 | 154 | 126 | 6 | 18 | 1 | 3 | 146 | 142 | 2 | 2 | 0 | 0 |
| | SECONDARY | | | | | | | | | | | | | | | | | | |
| 1746 | AYI | 79 | 61 | 0 | 18 | 0 | 0 | 47 | 36 | 0 | 11 | 0 | 0 | 34 | 34 | 0 | 0 | 0 | 0 |
| 21490 | SI | 3609 | 3024 | 0 | 561 | 7 | 17 | 2164 | 1832 | 17 | 309 | 0 | 6 | 1203 | 1077 | 15 | 111 | 0 | 0 |
| 13054 | ISI | 2949 | 165 | 54 | 2718 | 3 | 4 | 1256 | 314 | 40 | 902 | 0 | 0 | 334 | 36 | 0 | 298 | 0 | 0 |
| 324 | Res. | 43 | 11 | 7 | 3 | 22 | 0 | 31 | 19 | 5 | 4 | 3 | 0 | 15 | 7 | 0 | 1 | 7 | 0 |
| 36614 | Total | 6680 | 3261 | 61 | 3300 | 32 | 21 | 3498 | 2201 | 62 | 1226 | 3 | 6 | 1586 | 1154 | 15 | 410 | 7 | 0 |
| | ELEMENTARY | | | | | | | | | | | | | | | | | | |
| 1209 | SI | 211 | 174 | 0 | 37 | 0 | 0 | 63 | 55 | 0 | 7 | 0 | 1 | 16 | 12 | 0 | 4 | 0 | 0 |
| 1477 | ISI | 227 | 11 | 2 | 214 | 0 | 0 | 158 | 59 | 2 | 96 | 0 | 1 | 223 | 41 | 0 | 182 | 0 | 0 |
| 2686 | Total | 438 | 185 | 2 | 251 | 0 | 0 | 221 | 114 | 2 | 103 | 0 | 2 | 239 | 53 | 0 | 186 | 0 | 0 |
| 42,431 | TOTAL | 7542 | 3796 | 64 | 3616 | 39 | 22 | 3873 | 2441 | 70 | 1347 | 4 | 11 | 1971 | 1349 | 17 | 598 | 7 | 0 |

Table 13. EXTENT OF CONSECUTIVE PARTICIPATION

Participants in 1963-64 Who Also Attended Programs at Different Institutions in 1962-63 or 1961-62 or Both

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | COLLEGE | | | | | | | | | | | | | | | | | | |
| 80 | AYI | 27 | 24 | 0 | 2 | 0 | 1 | 8 | 3 | 0 | 3 | 0 | 2 | 7 | 7 | 0 | 0 | 0 | 0 |
| 2120 | SI | 203 | 175 | 1 | 14 | 1 | 12 | 210 | 184 | 2 | 19 | 2 | 3 | 84 | 81 | 1 | 0 | 0 | 2 |
| 19 | ISI | 2 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 1 | 0 | 0 | 4 | 2 | 0 | 2 | 0 | 0 |
| 527 | Conf. | 139 | 75 | 3 | 6 | 7 | 55 | 115 | 54 | 13 | 4 | 4 | 20 | 46 | 26 | 0 | 0 | 0 | 20 |
| 385 | Res | 40 | 28 | 1 | 0 | 11 | 0 | 37 | 25 | 5 | 0 | 7 | 0 | 3 | 3 | 0 | 0 | 0 | 0 |
| 3131 | Total | 411 | 303 | 5 | 22 | 19 | 69 | 373 | 267 | 21 | 27 | 13 | 25 | 144 | 119 | 1 | 2 | 0 | 22 |
| | SECONDARY | | | | | | | | | | | | | | | | | | |
| 1746 | AYI | 441 | 386 | 0 | 54 | 1 | 0 | 93 | 15 | 0 | 78 | 0 | 0 | 61 | 61 | 0 | 0 | 0 | 0 |
| 21490 | SI | 2326 | 1884 | 19 | 414 | 3 | 6 | 3111 | 2481 | 82 | 511 | 7 | 30 | 1997 | 1581 | 12 | 104 | 0 | 0 |
| 13054 | ISI | 1264 | 931 | 17 | 312 | 0 | 4 | 1091 | 816 | 52 | 220 | 0 | 3 | 225 | 84 | 0 | 141 | 0 | 0 |
| 324 | Res. | 55 | 29 | 9 | 13 | 4 | 0 | 66 | 49 | 11 | 6 | 0 | 0 | 25 | 20 | 0 | 3 | 2 | 0 |
| 36614 | Total | 4086 | 3213 | 45 | 793 | 8 | 10 | 4361 | 3361 | 145 | 815 | 7 | 33 | 2308 | 1746 | 12 | 248 | 2 | 0 |
| | ELEMENTARY | | | | | | | | | | | | | | | | | | |
| 1209 | SI | 101 | 68 | 2 | 31 | 0 | 0 | 134 | 104 | 2 | 28 | 0 | 0 | 33 | 31 | 0 | 2 | 0 | 0 |
| 1477 | ISI | 125 | 89 | 2 | 34 | 0 | 0 | 107 | 84 | 2 | 21 | 0 | 0 | 156 | 43 | 0 | 113 | 0 | 0 |
| 2686 | Total | 226 | 157 | 4 | 65 | 0 | 0 | 241 | 188 | 4 | 49 | 0 | 0 | 189 | 74 | 0 | 115 | 0 | 0 |
| 42,431 | TOTAL | 4723 | 3673 | 54 | 880 | 27 | 79 | 4975 | 3816 | 170 | 891 | 20 | 58 | 2641 | 1939 | 13 | 365 | 2 | 22 |

C. Prior Participation at the Same Institution or at Different Institutions

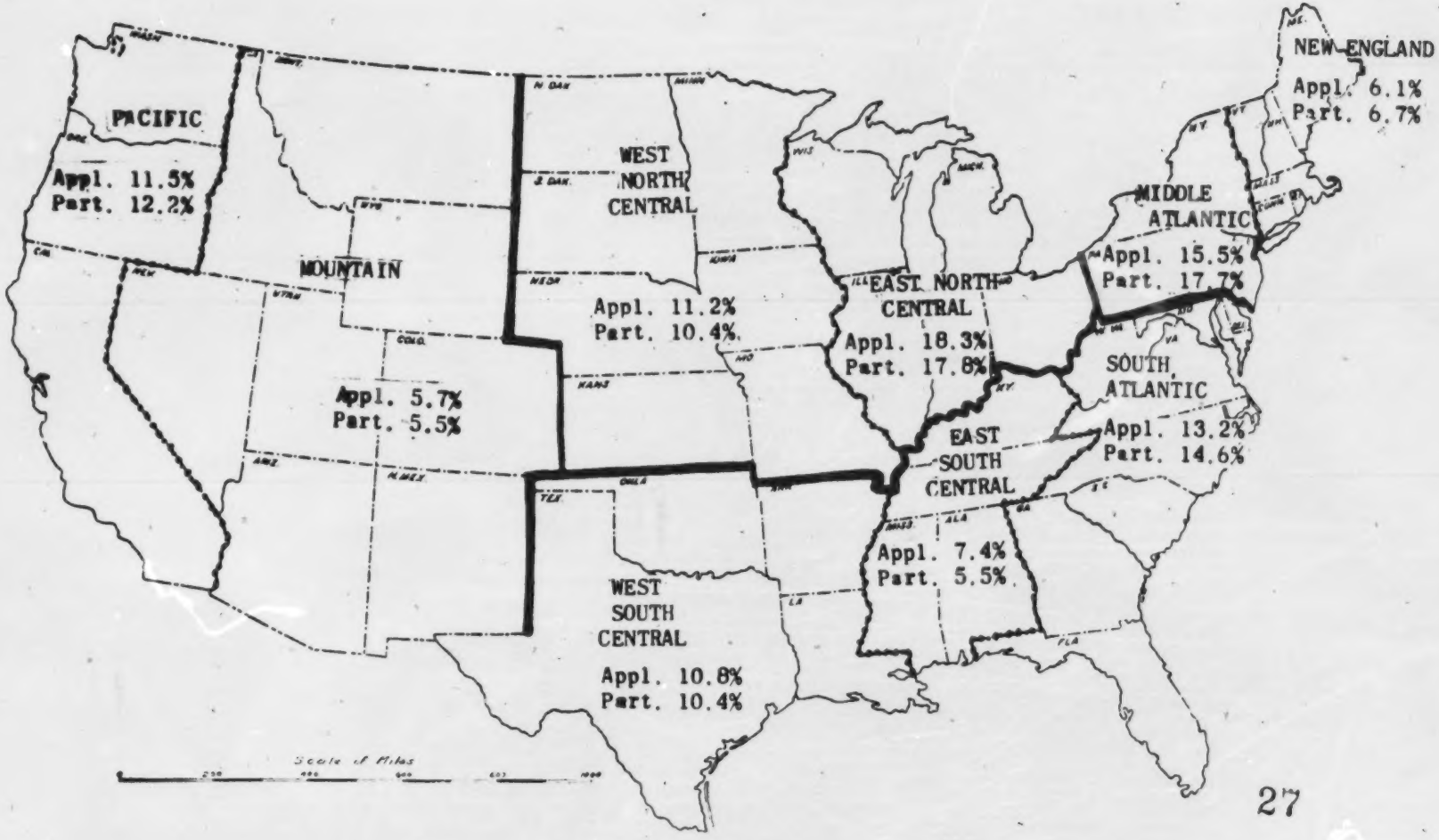
Approximately 22 percent of all participants in the 1963-64 program had participated in a program during 1962-63 at the same institution, while another 10 percent had participated in a program at the same institution during 1961-62. About 17 percent of the 1963-64 participants were enrolled in programs at other institutions during 1962-63 while another 12 percent were enrolled in programs at other institutions during 1961-62.

Combining the participation at all institutions, about 40 percent of all 1963-64 participants were enrolled at some institute during 1962-63 and another 21 percent had been enrolled in some program during 1961-62. Some participants attended institutes in both years, while some other participants attended two or even three institutes in a single year. About 4.6 percent of all 1963-64 participants attended the same institution in both prior years, while 6.2 percent attended different institutions in both prior years.

Table 12 shows the distribution of 1963-64 participants who also attended programs at the same institution in 1962-63 or 1961-62 or both years.

Table 13 shows the 1963-64 participants who also attended programs at a different institution in 1962-63 or 1961-62 or both years.

Table 14. GEOGRAPHIC PERCENTAGE DISTRIBUTION OF APPLICANTS AND PARTICIPANTS BY CENSUS DIVISION



## Section V

### Geographic Distribution of Applications, Applicants, and Participants

Approximately 22.5 percent of all applications came from residents of the Northeastern Region of the United States, 30.6 percent from the North Central Region, 28.3 from the South, and 18.6 from the West. These percentages are near the U. S. population distribution as reported in the 1960 census (N. E. 24.9 percent; N. C. 28.8 percent; South 30.6 percent; West 15.6 percent).

The distribution of participants differed somewhat from the distribution of applicants, approximately 24.4 percent of the participants being from the Northeast as against 21.7 percent of the applicants living in that area; 28.1 percent of the participants living in the North Central Region as against 29.6 percent of the applicants; 29.6 percent of the participants lived in the South as against 31.5 of the applicants; 17.9 percent of the participants in the West as against 17.3 percent of the applicants living there.

The largest number of participants came from the state of New York (8.5 percent), followed by California (8.0 percent), Pennsylvania (5.8 percent), Texas (4.5 percent), Illinois (4.5 percent), Ohio (4.4 percent), and Michigan (3.7 percent).

Only 8.6 percent of the participants were from the twenty largest cities in the United States. New York had the largest number of participants of these twenty metropolitan areas, accounting for 2.3 percent of all participants.

Table 14 shows in map form the geographic distribution of applicants and participants by Census Division.

Table 15 (Fold-outs 1 and 2) presents the geographic distribution of applications, applicants, and participants by the four regions, census division, by state, and by major city.

Table 16 (Fold-outs 3 and 4) presents the percentage distribution of these data in the same geographic breakdown.

Table 17. . DISTRIBUTION OF PARTICIPANTS BY STATE AND BY SUBJECT-MATTER RESPONSIBILITIES

| | Biology | Chem. | Earth Science | Engin-eering | General Sciences | Math | Physics | Other | Total |
|---|---|---|---|---|---|---|---|---|---|
| Alabama | 189 | 156 | 19 | 10 | 319 | 408 | 111 | 72 | 1,284 |
| Alaska | 11 | 9 | 4 | 1 | 21 | 29 | 7 | 3 | 85 |
| Arizona | 107 | 66 | 19 | 7 | 124 | 211 | 44 | 47 | 625 |
| Arkansas | 97 | 84 | 20 | 7 | 164 | 347 | 61 | 125 | 905 |
| California | 617 | 420 | 192 | 53 | 857 | 1,697 | 279 | 666 | 4,781 |
| Colorado | 113 | 62 | 37 | 18 | 162 | 245 | 47 | 87 | 771 |
| Connecticut | 111 | 103 | 79 | 9 | 165 | 359 | 83 | 51 | 960 |
| Delaware | 15 | 15 | 5 | 2 | 28 | 65 | 12 | 17 | 159 |
| D. C. | 17 | 17 | 2 | 1 | 42 | 55 | 19 | 10 | 163 |
| Florida | 290 | 193 | 66 | 7 | 435 | 674 | 117 | 181 | 1,963 |
| Georgia | 164 | 126 | 21 | 5 | 265 | 347 | 106 | 96 | 1,130 |
| Hawaii | 58 | 29 | 12 | 3 | 91 | 87 | 27 | 95 | 402 |
| Idaho | 49 | 28 | 21 | 16 | 55 | 153 | 37 | 37 | 396 |
| Illinois | 365 | 358 | 61 | 10 | 445 | 900 | 278 | 186 | 2,603 |
| Indiana | 224 | 194 | 29 | 14 | 261 | 531 | 141 | 155 | 1,549 |
| Iowa | 263 | 239 | 35 | 6 | 292 | 349 | 181 | 125 | 1,490 |
| Kansas | 175 | 160 | 35 | 13 | 231 | 391 | 127 | 130 | 1,262 |
| Kentucky | 103 | 102 | 21 | 6 | 142 | 196 | 135 | 38 | 743 |
| Louisiana | 190 | 164 | 22 | 12 | 274 | 416 | 122 | 111 | 1,311 |
| Maine | 48 | 28 | 31 | 5 | 57 | 116 | 53 | 29 | 367 |
| Maryland | 112 | 87 | 31 | 8 | 172 | 273 | 76 | 67 | 826 |
| Massachusetts | 260 | 257 | 77 | 27 | 356 | 607 | 202 | 140 | 1,926 |
| Michigan | 461 | 297 | 94 | 30 | 415 | 859 | 149 | 253 | 2,468 |
| Minnesota | 214 | 179 | 79 | 4 | 307 | 368 | 162 | 114 | 1,427 |
| Mississippi | 143 | 119 | 9 | 5 | 154 | 248 | 57 | 41 | 776 |
| Missouri | 173 | 154 | 22 | 10 | 245 | 392 | 108 | 90 | 1,194 |
| Montana | 46 | 43 | 10 | 2 | 50 | 111 | 32 | 34 | 328 |
| Nebraska | 110 | 60 | 13 | 2 | 106 | 155 | 63 | 61 | 570 |
| Nevada | 16 | 11 | 5 | 3 | 28 | 75 | 11 | 20 | 169 |
| New Hampshire | 54 | 48 | 18 | 4 | 48 | 103 | 38 | 22 | 335 |
| New Jersey | 173 | 156 | 81 | 24 | 368 | 736 | 190 | 146 | 1,974 |
| New Mexico | 14 | 8 | 6 | 9 | 30 | 30 | 12 | 25 | 134 |
| New York | 563 | 601 | 229 | 52 | 960 | 1,675 | 438 | 356 | 4,874 |
| North Carolina | 311 | 185 | 46 | 10 | 341 | 459 | 175 | 111 | 1,638 |
| North Dakota | 100 | 118 | 43 | 15 | 141 | 154 | 80 | 60 | 711 |
| Ohio | 287 | 319 | 54 | 21 | 515 | 957 | 303 | 206 | 2,662 |
| Oklahoma | 245 | 157 | 26 | 13 | 282 | 468 | 152 | 178 | 1,521 |
| Oregon | 98 | 88 | 16 | 11 | 135 | 389 | 71 | 104 | 912 |
| Pennsylvania | 450 | 378 | 178 | 29 | 597 | 1,133 | 316 | 234 | 3,315 |
| Rhode Island | 26 | 39 | 3 | 1 | 50 | 97 | 31 | 24 | 271 |
| South Carolina | 118 | 469 | 21 | 4 | 217 | 216 | 67 | 54 | 1,166 |
| South Dakota | 47 | 41 | 19 | 3 | 70 | 116 | 28 | 31 | 355 |
| Tennessee | 123 | 102 | 14 | 3 | 206 | 421 | 86 | 83 | 1,038 |
| Texas | 388 | 332 | 150 | 19 | 546 | 873 | 234 | 229 | 2,821 |
| Utah | 47 | 33 | 16 | 7 | 70 | 170 | 29 | 36 | 408 |
| Vermont | 57 | 37 | 19 | 4 | 48 | 72 | 34 | 34 | 305 |
| Virginia | 197 | 149 | 71 | 12 | 270 | 428 | 134 | 77 | 1,338 |
| Washington | 159 | 116 | 54 | 33 | 156 | 448 | 97 | 105 | 1,168 |
| West Virginia | 77 | 49 | 15 | 5 | 102 | 221 | 60 | 47 | 576 |
| Wisconsin | 246 | 189 | 46 | 9 | 295 | 463 | 265 | 199 | 1,712 |
| Wyoming | 40 | 38 | 10 | 0 | 37 | 59 | 27 | 19 | 230 |
| Puerto Rico | 146 | 83 | 9 | 1 | 278 | 69 | 78 | 78 | 742 |
| TOTAL | 8,707 | 7,405 | 2,215 | 585 | 12,025 | 20,421 | 5,842 | 5,539 | 62,739 |

Participants checked subject matter responsibility on their Applicant Record Cards., Since some participants checked more than one subject matter, it was not possible to relate percentages exactly to the total number of participants.

Approximately one third of the 1963-64 participants indicated more than one major teaching assignment.

Half (49.5%) of the participants indicated mathematics as a subject matter responsibility, followed by general science (28.3%), biology (20.5%), chemistry (17.4%), physics (13.8%), earth science (5.2%), and engineering (1.4%). About 13.1% of the participants stated that they taught other subjects.

Table 17 shows the distribution of subject-matter responsibilities of participants by state of residence.

Table 18. RELATIONSHIP OF STATE OF EMPLOYMENT TO STATE OF RESIDENCE OF PARTICIPANTS

| State of Employment | Number of Participants | No. Residing in State | No. Residing in Adjacent States | No. Residing in Other States | No. Residing Outside U.S. |
|---|---|---|---|---|---|
| Alabama | 606 | 604 | 1 | 1 | 0 |
| Alaska | 48 | 45 | 1 | 2 | 0 |
| Arizona | 388 | 384 | 0 | 4 | 0 |
| Arkansas | 503 | 497 | 6 | 0 | 0 |
| California | 2,945 | 2,941 | 1 | 3 | 0 |
| Colorado | 463 | 462 | 0 | 1 | 0 |
| Connecticut | 534 | 528 | 6 | 0 | 0 |
| D. C. | 67 | 57 | 9 | 1 | 0 |
| Delaware | 106 | 99 | 6 | 1 | 0 |
| Florida | 1,303 | 1,294 | 4 | 5 | 0 |
| Georgia | 625 | 613 | 11 | 1 | 0 |
| Hawaii | 250 | 248 | 0 | 1 | 1 |
| Idaho | 232 | 230 | 2 | 0 | 0 |
| Illinois | 1,630 | 1,608 | 16 | 6 | 0 |
| Indiana | 879 | 867 | 9 | 3 | 0 |
| Iowa | 788 | 782 | 5 | 1 | 0 |
| Kansas | 770 | 764 | 4 | 1 | 1 |
| Kentucky | 343 | 335 | 6 | 2 | 0 |
| Louisiana | 599 | 595 | 1 | 3 | 0 |
| Maine | 183 | 183 | 0 | 0 | 0 |
| Maryland | 535 | 495 | 38 | 2 | 0 |
| Massachusetts | 1,117 | 1,095 | 21 | 1 | 0 |
| Michigan | 1,421 | 1,404 | 7 | 10 | 0 |
| Minnesota | 758 | 754 | 3 | 1 | 0 |
| Mississippi | 412 | 410 | 2 | 0 | 0 |
| Missouri | 713 | 699 | 10 | 4 | 0 |
| Montana | 170 | 170 | 0 | 0 | 0 |
| North Carolina | 803 | 798 | 4 | 1 | 0 |
| North Dakota | 288 | 285 | 3 | 0 | 0 |
| Nebraska | 354 | 348 | 6 | 0 | 0 |
| Nevada | 94 | 93 | 1 | 0 | 0 |
| New Hampshire | 160 | 150 | 10 | 0 | 0 |
| New Jersey | 1,214 | 1,170 | 42 | 2 | 0 |
| New Mexico | 240 | 238 | 0 | 2 | 0 |
| New York | 2,991 | 2,936 | 39 | 7 | 9 |
| Ohio | 1,519 | 1,498 | 19 | 2 | 0 |
| Oklahoma | 768 | 764 | 4 | 0 | 0 |
| Oregon | 538 | 534 | 2 | 2 | 0 |
| Pennsylvania | 2,013 | 2,000 | 9 | 3 | 1 |
| Rhode Island | 155 | 141 | 8 | 2 | 4 |
| South Dakota | 169 | 166 | 2 | 1 | 0 |
| South Carolina | 392 | 391 | 1 | 0 | 0 |
| Tennessee | 564 | 563 | 1 | 0 | 0 |
| Texas | 1,690 | 1,688 | 2 | 0 | 0 |
| Utah | 256 | 255 | 1 | 0 | 0 |
| Virginia | 807 | 793 | 9 | 5 | 0 |
| Vermont | 140 | 135 | 5 | 0 | 0 |
| Washington | 690 | 680 | 7 | 3 | 0 |
| Wisconsin | 926 | 920 | 4 | 2 | 0 |
| West Virginia | 310 | 305 | 5 | 0 | 0 |
| Wyoming | 110 | 110 | 0 | 0 | 0 |
| TOTAL | 35,579 | 35,124 | 353 | 86 | 16 |

Of the participants residing in the United States, about 98.7% worked in the same state in which they lived. Only one percent lived in states adjacent to the state where they were employed; the remainder lived in other states further away or indicated residence outside the U. S.

The highest percentage of participants living outside the state were employed in the District of Columbia where 13.4% lived in adjacent states. Next was Maryland with 7.1% of the participants living outside the state, followed by Delaware 5.7%, Rhode Island 5.2%, New Jersey 3.5%, Vermont 2.8%, and Massachusetts 1.9%.

Table 18 shows the distribution of participants reporting states of employment and states of residence. In order to produce this table we had to match cards for the individuals from two separate decks, one containing the residence address and the other the address of employment. This matching was performed by using the Social Security numbers. Participants who did not supply Social Security numbers were therefore not included in this table. Some of these persons neglected to enter their Social Security numbers while others did not have Social Security numbers. The latter group consisted of persons in religious orders, persons in such places outside the United States as Puerto Rico, Samoa, Canal Zone, etc.

Other persons who were not included in the table were those who lived or worked outside the United States and those who did not furnish sufficient detail as to place of employment to permit identification by state. There were also some who did not report place of employment.

It is believed that in the case of nearly all of these individuals, the states of residence and employment would be the same, and therefore the table is believed to give an accurate indication of the relationship of residence and employment addresses of the participants.

Participants in the 1963-64 programs preferred to attend NSF Institutes at institutions in the state or census division in which they were employed. Approximately 62.3% of the reporting participants had state of employment the same as

state of attendance at an institute.

Examination of the attendance at institutes in states in the same census division showed that approximately three-fourths of the participants were enrolled at institutes in the census division of their employment.

In New England 72.6 percent of the participants employed in the New England states attended institutes in that census division. In the Middle Atlantic division of New York, New Jersey and Pennsylvania, the percentage was 76.5

Some participants did not indicate state of employment and therefore were not included in the summary data.

Table 19 on the fold-out page following this narrative shows the distribution of participants by state of employment and state in which the institute attended was located. The ruled lines divide the respective census divisions from each other.

Geographic Percentage Distribution of Applications, Applicants, and Participants in Each Major Program Type
(By Region, Census Division, State, and Major City)

Table 15

| | NO. OF APPLICATIONS | | | | | |
|---|---|---|---|---|---|---|
| | TOTAL | SI | AYI | ISI | RES. | CONF. |
| U.S. TOTAL | 234,874 | 198,096 | 16,677 | 15,998 | 3,191 | 912 |
| Regions | | | | | | |
| North East | 52,774 | 44,100 | 3,137 | 4,596 | 780 | 161 |
| North Central | 71,833 | 61,266 | 5,458 | 3,716 | 1,101 | 292 |
| South | 66,527 | 55,974 | 4,598 | 4,889 | 745 | 321 |
| West | 43,740 | 36,756 | 3,484 | 2,797 | 565 | 138 |
| New England | 12,911 | 10,657 | 984 | 1,082 | 152 | 36 |
| Maine | 1,072 | 911 | 94 | 48 | 14 | 5 |
| New Hampshire | 961 | 788 | 98 | 59 | 14 | 2 |
| Vermont | 944 | 864 | 39 | 31 | 8 | 2 |
| Massachusetts | 5,947 | 4,921 | 412 | 508 | 89 | 17 |
| Rhode Island | 845 | 678 | 57 | 102 | 6 | 2 |
| Connecticut | 3,142 | 2,495 | 284 | 334 | 21 | 8 |
| Middle Atlantic | 39,863 | 33,443 | 2,153 | 3,514 | 628 | 125 |
| New York | 20,715 | 17,691 | 947 | 1,689 | 338 | 50 |
| New Jersey | 6,610 | 5,429 | 288 | 754 | 117 | 22 |
| Pennsylvania | 12,538 | 10,323 | 918 | 1,071 | 173 | 53 |
| East North Central | 44,209 | 37,898 | 2,974 | 2,554 | 592 | 191 |
| Ohio | 8,815 | 7,447 | 583 | 613 | 131 | 41 |
| Indiana | 7,126 | 6,189 | 337 | 497 | 78 | 25 |
| Illinois | 11,179 | 9,643 | 692 | 628 | 165 | 51 |
| Michigan | 10,536 | 9,126 | 704 | 582 | 88 | 36 |
| Wisconsin | 6,553 | 5,493 | 658 | 234 | 130 | 38 |
| West North Central | 27,642 | 23,368 | 2,484 | 1,162 | 509 | 101 |
| Minnesota | 7,073 | 6,134 | 664 | 164 | 92 | 19 |
| Iowa | 5,923 | 4,929 | 591 | 229 | 150 | 16 |
| Missouri | 4,436 | 3,967 | 176 | 183 | 89 | 21 |
| North Dakota | 1,694 | 1,264 | 223 | 166 | 31 | 10 |
| South Dakota | 1,141 | 904 | 169 | 45 | 16 | 7 |
| Nebraska | 2,606 | 2,185 | 294 | 98 | 18 | 11 |
| Kansas | 4,751 | 3,985 | 367 | 277 | 105 | 17 |
| South Atlantic | 26,318 | 21,617 | 2,061 | 2,276 | 243 | 121 |
| Delaware | 457 | 363 | 22 | 62 | 6 | 4 |
| Maryland | 2,972 | 2,510 | 208 | 199 | 37 | 18 |
| D. C. | 473 | 365 | 27 | 73 | 4 | 4 |
| Virginia | 4,020 | 3,223 | 298 | 461 | 18 | 20 |
| West Virginia | 2,330 | 2,015 | 153 | 138 | 17 | 7 |
| North Carolina | 4,374 | 3,664 | 346 | 279 | 64 | 21 |
| South Carolina | 3,486 | 3,117 | 253 | 88 | 14 | 14 |
| Florida | 4,030 | 2,992 | 313 | 645 | 64 | 16 |
| Georgia | 4,176 | 3,368 | 441 | 331 | 19 | 17 |

Foldout 1 (Cont. on next page)

NO. OF APPLICANTS

| TOTAL | SI | AYI | ISI | RES. | CONF. |
|---|---|---|---|---|---|
| 88,287 | 64,514 | 6,286 | 15,254 | 1,526 | 707 |
| 19,129 | 12,961 | 1,372 | 4,332 | 345 | 119 |
| 26,110 | 20,031 | 1,864 | 3,485 | 513 | 217 |
| 27,777 | 20,572 | 1,936 | 4,642 | 372 | 255 |
| 15,271 | 10,950 | 1,114 | 2,795 | 296 | 116 |
| 5,467 | 3,896 | 470 | 1,004 | 68 | 29 |
| 540 | 431 | 53 | 45 | 6 | 5 |
| 433 | 326 | 47 | 54 | 4 | 2 |
| 433 | 381 | 20 | 25 | 5 | 2 |
| 2,235 | 1,469 | 231 | 483 | 40 | 12 |
| 465 | 348 | 22 | 90 | 3 | 2 |
| 1,361 | 941 | 97 | 307 | 10 | 6 |
| 13,662 | 9,065 | 902 | 3,328 | 277 | 90 |
| 6,789 | 4,495 | 482 | 1,602 | 175 | 35 |
| 2,433 | 1,516 | 119 | 734 | 45 | 19 |
| 4,440 | 3,054 | 301 | 992 | 57 | 36 |
| 16,177 | 12,347 | 1,008 | 2,415 | 266 | 141 |
| 3,482 | 2,611 | 203 | 589 | 54 | 30 |
| 2,711 | 2,088 | 111 | 462 | 31 | 19 |
| 4,031 | 3,083 | 226 | 604 | 76 | 42 |
| 3,619 | 2,733 | 286 | 541 | 33 | 26 |
| 2,329 | 1,832 | 182 | 219 | 72 | 24 |
| 9,932 | 7,684 | 856 | 1,070 | 247 | 76 |
| 2,146 | 1,759 | 182 | 151 | 40 | 14 |
| 2,214 | 1,662 | 243 | 205 | 91 | 13 |
| 1,495 | 1,204 | 72 | 171 | 32 | 16 |
| 725 | 497 | 49 | 152 | 19 | 8 |
| 603 | 492 | 60 | 40 | 7 | 4 |
| 880 | 669 | 107 | 89 | 6 | 9 |
| 1,870 | 1,401 | 143 | 262 | 52 | 12 |
| 11,639 | 8,465 | 824 | 2,150 | 107 | 93 |
| 238 | 142 | 5 | 87 | 1 | 3 |
| 1,032 | 712 | 96 | 183 | 18 | 14 |
| 250 | 167 | 8 | 69 | 3 | 3 |
| 1,832 | 1,243 | 117 | 447 | 9 | 16 |
| 1,054 | 837 | 78 | 129 | 4 | 6 |
| 2,061 | 1,535 | 213 | 262 | 34 | 17 |
| 1,494 | 1,322 | 71 | 83 | 8 | 10 |
| 1,986 | 1,235 | 109 | 611 | 20 | 11 |
| 1,731 | 1,272 | 127 | 309 | 10 | 13 |

| NO. OF PARTICIPANTS | | | | | |
|---|---|---|---|---|---|
| TOTAL | SI | AYI | ISI | RES. | CONF. |
| 41,049 | 23,558 | 1,790 | 14,486 | 705 | 510 |
| 10,010 | 5,272 | 354 | 4,154 | 140 | 90 |
| 11,555 | 7,304 | 562 | 3,279 | 265 | 145 |
| 12,154 | 6,858 | 533 | 4,414 | 167 | 182 |
| 7,330 | 4,124 | 341 | 2,639 | 133 | 93 |
| 2,737 | 1,624 | 102 | 958 | 32 | 21 |
| 219 | 158 | 9 | 43 | 4 | 5 |
| 204 | 139 | 10 | 53 | 1 | 1 |
| 152 | 134 | 3 | 20 | 3 | 2 |
| 1,297 | 760 | 44 | 471 | 15 | 7 |
| 187 | 95 | 5 | 84 | 2 | 1 |
| 668 | 338 | 31 | 287 | 7 | 5 |
| 7,273 | 3,648 | 252 | 3,196 | 108 | 69 |
| 3,509 | 1,772 | 117 | 1,526 | 67 | 27 |
| 1,403 | 627 | 35 | 707 | 18 | 16 |
| 2,361 | 1,249 | 100 | 963 | 23 | 26 |
| 7,291 | 4,430 | 322 | 2,292 | 151 | 96 |
| 1,795 | 1,113 | 60 | 567 | 33 | 22 |
| 1,039 | 539 | 31 | 437 | 19 | 13 |
| 1,864 | 1,143 | 81 | 572 | 38 | 30 |
| 1,532 | 904 | 85 | 510 | 18 | 15 |
| 1,061 | 731 | 65 | 206 | 43 | 16 |
| 4,264 | 2,874 | 240 | 987 | 114 | 49 |
| 857 | 623 | 65 | 139 | 20 | 10 |
| 926 | 644 | 60 | 182 | 32 | 8 |
| 711 | 573 | 16 | 156 | 18 | 8 |
| 340 | 159 | 23 | 140 | 12 | 6 |
| 194 | 135 | 17 | 36 | 4 | 2 |
| 413 | 293 | 29 | 82 | 2 | 7 |
| 763 | 447 | 30 | 252 | 26 | 8 |
| 5,615 | 3,228 | 236 | 2,030 | 54 | 67 |
| 118 | 60 | 2 | 53 | 0 | 3 |
| 584 | 365 | 25 | 175 | 10 | 9 |
| 119 | 52 | 3 | 62 | 0 | 2 |
| 876 | 397 | 35 | 426 | 4 | 14 |
| 354 | 211 | 15 | 122 | 2 | 4 |
| 903 | 588 | 36 | 251 | 18 | 10 |
| 446 | 338 | 24 | 74 | 2 | 8 |
| 1,486 | 832 | 51 | 583 | 12 | 8 |
| 729 | 385 | 45 | 284 | 6 | 9 |

Table 15 (Cont.) Foldout 2 (Cont. on next page)

| Region of Residence | NO. OF APPLICATIONS TOTAL | SI | AYI | ISI | RES. | CONF. |
|---|---|---|---|---|---|---|
| East South Central | 15,652 | 13,568 | 1,032 | 798 | 179 | 75 |
| Kentucky | 2,190 | 1,927 | 105 | 122 | 13 | 23 |
| Tennessee | 4,431 | 3,770 | 221 | 341 | 68 | 31 |
| Alabama | 6,072 | 5,417 | 354 | 246 | 46 | 9 |
| Mississippi | 2,959 | 2,454 | 352 | 89 | 52 | 12 |
| West South Central | 24,557 | 20,789 | 1,505 | 1,815 | 323 | 125 |
| Oklahoma | 3,957 | 3,146 | 299 | 451 | 46 | 15 |
| Arkansas | 3,900 | 3,411 | 163 | 299 | 11 | 16 |
| Louisiana | 4,502 | 3,538 | 347 | 503 | 77 | 37 |
| Texas | 12,198 | 10,694 | 696 | 562 | 189 | 57 |
| Mountain | 15,038 | 12,984 | 1,324 | 534 | 191 | 41 |
| Montana | 1,445 | 1,201 | 198 | 32 | 12 | 2 |
| Idaho | 1,266 | 1,028 | 154 | 68 | 2 | 14 |
| Wyoming | 682 | 572 | 93 | 4 | 11 | 2 |
| Colorado | 3,362 | 2,777 | 381 | 136 | 59 | 9 |
| New Mexico | 2,428 | 2,186 | 174 | 37 | 26 | 5 |
| Arizona | 3,144 | 2,889 | 88 | 97 | 68 | 2 |
| Utah | 2,121 | 1,804 | 195 | 102 | 13 | 7 |
| Nevada | 626 | 527 | 41 | 58 | 0 | 0 |
| Pacific | 28,666 | 23,772 | 2,160 | 2,263 | 374 | 97 |
| Washington | 4,505 | 3,675 | 511 | 256 | 25 | 38 |
| Oregon | 3,924 | 3,264 | 332 | 287 | 24 | 17 |
| California | 19,196 | 16,076 | 1,206 | 1,559 | 318 | 37 |
| Alaska | 125 | 97 | 27 | 0 | 0 | 1 |
| Hawaii | 916 | 660 | 84 | 161 | 7 | 4 |
| Cities | | | | | | |
| New York | 5,625 | 4,663 | 156 | 689 | 103 | 14 |
| Chicago | 982 | 742 | 110 | 81 | 41 | 8 |
| Los Angeles | 818 | 683 | 36 | 79 | 12 | 8 |
| Philadelphia | 1,412 | 1,231 | 49 | 96 | 26 | 10 |
| Detroit | 1,384 | 1,215 | 42 | 97 | 16 | 14 |
| Houston | 834 | 707 | 35 | 72 | 13 | 7 |
| Baltimore | 1,130 | 983 | 42 | 81 | 19 | 5 |
| Cleveland | 423 | 346 | 21 | 41 | 11 | 4 |
| Washington | 512 | 427 | 28 | 48 | 4 | 5 |
| St. Louis | 557 | 452 | 49 | 39 | 12 | 5 |
| Milwaukee | 613 | 511 | 23 | 43 | 31 | 5 |
| San Francisco | 403 | 331 | 27 | 37 | 1 | 7 |
| Boston | 363 | 309 | 17 | 32 | 0 | 5 |
| Dallas | 592 | 522 | 20 | 42 | 3 | 5 |
| New Orleans | 521 | 441 | 27 | 28 | 17 | 8 |
| Pittsburgh | 704 | 602 | 36 | 46 | 14 | 6 |
| San Antonio | 279 | 215 | 27 | 22 | 8 | 7 |
| Seattle | 385 | 313 | 31 | 32 | 4 | 5 |
| San Diego | 308 | 252 | 17 | 24 | 10 | 5 |
| Buffalo | 343 | 294 | 17 | 22 | 6 | 4 |
| TOTAL | 18,188 | 15,239 | 810 | 1,651 | 351 | 137 |

| NO. OF APPLICANTS | | | | | | NO. OF PARTICIPANTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | SI | AYI | ISI | RES. | CONF. | TOTAL | SI | AYI | ISI | RES. | CONF. |
| 6,587 | 5,184 | 497 | 752 | 96 | 58 | 2,260 | 1,362 | 126 | 701 | 33 | 38 |
| 951 | 751 | 61 | 116 | 6 | 17 | 412 | 277 | 16 | 103 | 3 | 13 |
| 2,021 | 1,540 | 92 | 326 | 44 | 19 | 670 | 315 | 24 | 305 | 12 | 14 |
| 2,369 | 1,901 | 201 | 233 | 21 | 13 | 709 | 435 | 40 | 225 | 5 | 4 |
| 1,246 | 992 | 143 | 77 | 25 | 9 | 469 | 335 | 46 | 68 | 13 | 7 |
| 9,551 | 6,923 | 615 | 1,740 | 169 | 104 | 4,279 | 2,268 | 171 | 1,683 | 80 | 77 |
| 1,591 | 995 | 130 | 427 | 35 | 11 | 948 | 459 | 46 | 410 | 26 | 7 |
| 1,305 | 916 | 86 | 284 | 6 | 13 | 579 | 271 | 20 | 276 | 2 | 10 |
| 2,160 | 1,496 | 116 | 481 | 33 | 34 | 905 | 356 | 38 | 468 | 15 | 28 |
| 4,488 | 3,516 | 283 | 548 | 95 | 46 | 1,847 | 1,182 | 67 | 529 | 37 | 32 |
| 5,085 | 3,859 | 466 | 638 | 88 | 34 | 2,287 | 1,509 | 124 | 592 | 37 | 25 |
| 481 | 381 | 60 | 30 | 8 | 2 | 194 | 144 | 16 | 28 | 5 | 1 |
| 522 | 399 | 47 | 62 | 3 | 11 | 257 | 177 | 13 | 57 | 0 | 10 |
| 310 | 282 | 20 | 4 | 2 | 2 | 125 | 113 | 6 | 3 | 2 | 1 |
| 1,156 | 864 | 133 | 124 | 28 | 7 | 513 | 349 | 37 | 112 | 11 | 4 |
| 667 | 581 | 37 | 33 | 12 | 4 | 269 | 216 | 15 | 30 | 5 | 3 |
| 1,014 | 723 | 21 | 238 | 30 | 2 | 512 | 263 | 10 | 225 | 13 | 1 |
| 674 | 436 | 134 | 93 | 5 | 6 | 303 | 185 | 24 | 88 | 1 | 5 |
| 261 | 193 | 14 | 54 | 0 | 0 | 114 | 62 | 3 | 49 | 0 | 0 |
| 10,186 | 7,091 | 648 | 2,157 | 208 | 82 | 5,043 | 2,615 | 217 | 2,047 | 96 | 68 |
| 1,577 | 1,120 | 168 | 241 | 14 | 34 | 778 | 463 | 49 | 231 | 4 | 31 |
| 1,397 | 994 | 101 | 275 | 14 | 13 | 631 | 319 | 33 | 264 | 4 | 11 |
| 6,603 | 4,586 | 326 | 1,488 | 172 | 31 | 3,285 | 1,655 | 113 | 1,410 | 84 | 23 |
| 106 | 72 | 32 | 0 | 1 | 1 | 48 | 43 | 5 | 0 | 0 | 0 |
| 503 | 319 | 21 | 153 | 7 | 3 | 301 | 135 | 17 | 142 | 4 | 3 |
| 2,315 | 1,611 | 60 | 611 | 22 | 11 | 974 | 518 | 33 | 397 | 17 | 9 |
| 380 | 242 | 44 | 75 | 13 | 6 | 187 | 83 | 23 | 71 | 5 | 5 |
| 350 | 237 | 29 | 76 | 3 | 5 | 181 | 77 | 25 | 74 | 1 | 4 |
| 547 | 429 | 34 | 93 | 10 | 8 | 273 | 146 | 32 | 87 | 3 | 5 |
| 544 | 401 | 37 | 91 | 6 | 9 | 267 | 139 | 35 | 83 | 3 | 7 |
| 349 | 246 | 26 | 67 | 6 | 4 | 172 | 84 | 19 | 65 | 1 | 3 |
| 433 | 319 | 28 | 77 | 6 | 3 | 218 | 118 | 23 | 72 | 3 | 2 |
| 195 | 131 | 17 | 38 | 6 | 3 | 102 | 47 | 14 | 34 | 5 | 2 |
| 226 | 152 | 22 | 45 | 3 | 4 | 111 | 48 | 17 | 43 | 0 | 3 |
| 238 | 171 | 17 | 37 | 9 | 4 | 112 | 59 | 12 | 34 | 5 | 2 |
| 231 | 154 | 18 | 40 | 16 | 3 | 134 | 76 | 14 | 37 | 5 | 2 |
| 183 | 131 | 12 | 32 | 3 | 5 | 89 | 47 | 8 | 29 | 2 | 3 |
| 153 | 107 | 13 | 29 | 0 | 4 | 84 | 46 | 9 | 26 | 0 | 3 |
| 244 | 193 | 11 | 37 | 0 | 3 | 112 | 67 | 7 | 35 | 0 | 3 |
| 201 | 150 | 16 | 26 | 4 | 5 | 93 | 58 | 9 | 22 | 2 | 2 |
| 292 | 217 | 22 | 43 | 7 | 3 | 140 | 82 | 12 | 39 | 3 | 4 |
| 116 | 74 | 15 | 19 | 3 | 5 | 59 | 31 | 8 | 17 | 1 | 2 |
| 151 | 101 | 14 | 29 | 3 | 4 | 77 | 39 | 11 | 25 | 0 | 2 |
| 140 | 99 | 11 | 22 | 5 | 3 | 71 | 37 | 8 | 19 | 5 | 2 |
| 140 | 101 | 13 | 19 | 4 | 3 | 71 | 43 | 9 | 15 | 2 | 2 |
| 7,428 | 5,266 | 459 | 1,506 | 129 | 95 | 3,527 | 1,845 | 328 | 1,224 | 63 | 67 |

Foldout 3 (Cont. on next page)

Percentage Geographic Distribution of Applications, Applicants, and Participants in Each Major Program Type (By Region, Census Division, State, and Major City)

**Table 16**

| Region of Residence | NO. OF APPLICATIONS | | | | | |
|---|---|---|---|---|---|---|
| | TOTAL | SI | AYI | ISI | RES. | CONF. |
| Regions | | | | | | |
| North East | 22.5 | 22.3 | 18.8 | 28.7 | 24.4 | 17.7 |
| North Central | 30.6 | 30.9 | 32.7 | 23.2 | 43.5 | 32.0 |
| South | 28.3 | 28.3 | 27.6 | 30.6 | 23.3 | 35.2 |
| West | 18.6 | 18.6 | 20.9 | 17.5 | 17.7 | 15.1 |
| New England | 5.4 | 5.3 | 5.9 | 6.7 | 4.7 | 3.9 |
| Maine | .4 | .5 | .7 | .3 | .4 | .5 |
| New Hampshire | .4 | .4 | .6 | .4 | .4 | .2 |
| Vermont | .4 | .4 | .2 | .2 | .3 | .2 |
| Massachusetts | 2.5 | 2.4 | 2.4 | 3.1 | 2.7 | 1.8 |
| Rhode Island | .3 | .3 | .3 | .6 | .2 | .2 |
| Connecticut | 1.3 | 1.2 | 1.7 | 2.0 | .7 | .9 |
| Middle Atlantic | 16.9 | 16.8 | 12.9 | 21.9 | 19.6 | 13.7 |
| New York | 8.8 | 8.9 | 5.6 | 10.5 | 10.6 | 5.4 |
| New Jersey | 2.8 | 2.7 | 1.7 | 4.7 | 3.6 | 2.4 |
| Pennsylvania | 5.3 | 5.2 | 5.5 | 6.4 | 5.4 | 5.8 |
| East North Central | 18.8 | 19.1 | 17.8 | 15.9 | 18.5 | 20.9 |
| Ohio | 3.7 | 3.7 | 3.4 | 3.8 | 4.1 | 4.5 |
| Indiana | 3.0 | 3.1 | 2.0 | 3.1 | 2.4 | 2.7 |
| Illinois | 4.7 | 4.8 | 4.1 | 3.9 | 5.1 | 5.5 |
| Michigan | 4.4 | 4.6 | 4.2 | 3.6 | 2.7 | 3.9 |
| Wisconsin | 2.7 | 2.7 | 3.9 | 1.4 | 4.0 | 4.1 |
| West North Central | 11.7 | 11.7 | 14.9 | 7.2 | 16.0 | 11.0 |
| Minnesota | 3.0 | 3.0 | 4.0 | 1.0 | 2.8 | 2.1 |
| Iowa | 2.5 | 2.4 | 3.5 | 1.4 | 4.9 | 1.8 |
| Missouri | 1.8 | 2.0 | 1.0 | 1.1 | 2.7 | 2.3 |
| North Dakota | .7 | .6 | 1.9 | 1.0 | .9 | 1.1 |
| South Dakota | .5 | .5 | 1.0 | .3 | .5 | .8 |
| Nebraska | 1.1 | 1.1 | 1.7 | .6 | .6 | 1.2 |
| Kansas | 2.0 | 2.0 | 2.2 | 1.7 | 3.3 | 1.8 |
| South Atlantic | 11.2 | 10.9 | 12.4 | 14.2 | 7.6 | 13.2 |
| Delaware | .2 | .2 | .1 | .4 | .2 | .4 |
| Maryland | 1.2 | 1.2 | 1.2 | 1.2 | 1.1 | 1.9 |
| D. C. | .2 | .2 | .2 | .5 | .1 | .4 |
| Virginia | 1.7 | 1.6 | 1.7 | 2.8 | .6 | 2.1 |
| West Virginia | 1.0 | 1.0 | .9 | .9 | .5 | .8 |
| North Carolina | 1.8 | 1.8 | 2.0 | 1.7 | 2.0 | 2.3 |
| South Carolina | 1.4 | 1.5 | 1.5 | .6 | .4 | 1.5 |
| Florida | 1.7 | 1.5 | 1.8 | 4.0 | 2.0 | 1.7 |
| Georgia | 1.7 | 1.7 | 2.6 | 2.0 | .6 | 1.8 |

| NO. OF APPLICANTS | | | | | | NO. OF PARTICIPANTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | SI | AYI | ISI | RES. | CONF. | TOTAL | SI | AYI | ISI | RES. | CONF. |
| 21.7 | 20.1 | 21.8 | 28.4 | 22.6 | 16.8 | 24.4 | 22.4 | 19.8 | 28.7 | 19.9 | 17.6 |
| 29.6 | 31.1 | 29.7 | 22.8 | 33.6 | 30.7 | 28.1 | 31.0 | 31.4 | 22.6 | 37.6 | 28.4 |
| 31.5 | 31.9 | 30.8 | 30.4 | 24.4 | 36.1 | 29.6 | 29.1 | 29.8 | 30.5 | 23.7 | 35.7 |
| 17.3 | 17.0 | 17.7 | 18.3 | 19.4 | 16.4 | 17.9 | 17.5 | 19.1 | 18.2 | 18.9 | 18.2 |
| 6.1 | 6.0 | 7.4 | 6.6 | 4.5 | 4.1 | 6.7 | 6.9 | 5.7 | 6.6 | 4.5 | 6.1 |
| .6 | .6 | .8 | .3 | .4 | .7 | .5 | .7 | .5 | .3 | .6 | 1.0 |
| .5 | .5 | .7 | .4 | .3 | .3 | .5 | .6 | .6 | .4 | .1 | .2 |
| .5 | .6 | .3 | .2 | .3 | .3 | .4 | .6 | .2 | .1 | .4 | .4 |
| 2.5 | 2.2 | 3.6 | 3.2 | 2.6 | 1.7 | 3.2 | 3.2 | 2.5 | 3.3 | 2.1 | 1.4 |
| .5 | .5 | .3 | .6 | .2 | .3 | .5 | .4 | .3 | .6 | .3 | .2 |
| 1.5 | 1.4 | 1.5 | 2.0 | .7 | .8 | 1.6 | 1.4 | 1.7 | .3 | 1.0 | 1.0 |
| 15.5 | 14.0 | 14.3 | 21.8 | 18.2 | 12.7 | 17.7 | 15.5 | 14.1 | 22.1 | 15.3 | 13.5 |
| 7.6 | 6.9 | 7.6 | 10.5 | 11.5 | 5.0 | 8.5 | 7.5 | 6.5 | 10.5 | 9.5 | 5.3 |
| 2.7 | 2.3 | 1.9 | 4.8 | 2.9 | 2.7 | 3.4 | 2.7 | 2.0 | 4.9 | 2.6 | 3.1 |
| 5.0 | 4.7 | 4.7 | 6.5 | 3.7 | 5.1 | 5.8 | 5.3 | 5.6 | 6.6 | 8.9 | 5.1 |
| 18.3 | 19.1 | 16.0 | 15.8 | 17.4 | 19.9 | 17.8 | 18.8 | 18.0 | 15.8 | 21.4 | 18.8 |
| 3.9 | 4.0 | 3.2 | 3.9 | 3.5 | 4.2 | 4.4 | 4.7 | 3.4 | 3.9 | 4.7 | 4.3 |
| 3.0 | 3.2 | 1.7 | 3.0 | 2.0 | 2.7 | 2.5 | 2.3 | 1.7 | 3.0 | 2.7 | 2.5 |
| 4.5 | 4.7 | 3.6 | 4.0 | 5.0 | 5.9 | 4.5 | 4.9 | 4.5 | 3.9 | 5.4 | 5.9 |
| 4.1 | 4.2 | 4.5 | 3.5 | 2.2 | 3.7 | 3.7 | 3.8 | 4.7 | 3.5 | 2.6 | 2.9 |
| 2.6 | 2.8 | 2.9 | 1.4 | 4.7 | 3.4 | 2.6 | 3.1 | 3.6 | 1.4 | 6.1 | 3.1 |
| 11.2 | 11.9 | 13.6 | 7.0 | 17.0 | 10.7 | 10.4 | 12.2 | 13.4 | 6.8 | 16.2 | 9.6 |
| 2.4 | 2.7 | 2.9 | 1.0 | 2.6 | 2.0 | 2.1 | 2.6 | 3.6 | 1.0 | 2.8 | 2.0 |
| 2.5 | 2.5 | 3.8 | 1.3 | 6.0 | 1.8 | 2.3 | 2.7 | 3.4 | 1.3 | 4.5 | 1.6 |
| 1.7 | 1.8 | 1.1 | 1.1 | 2.1 | 2.3 | 1.7 | 2.4 | .9 | 1.1 | 2.6 | 1.6 |
| .8 | .7 | .7 | 1.0 | 1.2 | 1.1 | .8 | .7 | 1.3 | 1.0 | 1.7 | 1.2 |
| .7 | .7 | .9 | .3 | .5 | .6 | .5 | .6 | .9 | .2 | .6 | .4 |
| 1.0 | 1.0 | 1.7 | .6 | .4 | 1.3 | 1.0 | 1.2 | 1.6 | .6 | .3 | 1.4 |
| 2.1 | 2.1 | 2.2 | 1.7 | 3.4 | 1.7 | 1.9 | 1.9 | 1.7 | 1.7 | 3.7 | 1.6 |
| 13.2 | 13.1 | 13.1 | 14.1 | 7.0 | 13.2 | 13.7 | 13.7 | 13.2 | 14.0 | 7.7 | 13.1 |
| .2 | .1 | .1 | .6 | .1 | .4 | .3 | .3 | .1 | .4 | .0 | .6 |
| 1.1 | 1.1 | 1.5 | 1.2 | 1.2 | 2.0 | 1.4 | 1.5 | 1.4 | 1.2 | 1.4 | 1.8 |
| .3 | .2 | .1 | .5 | .2 | .4 | .3 | .2 | .2 | .4 | .0 | .4 |
| 2.0 | 1.9 | 1.8 | 2.9 | .6 | 2.3 | 2.1 | 1.7 | 2.0 | 2.9 | .6 | 2.7 |
| 1.2 | 1.3 | 1.2 | .8 | .3 | .8 | .9 | .9 | .8 | .8 | .3 | .8 |
| 2.3 | 2.3 | 3.4 | 1.7 | 2.2 | 2.4 | 2.2 | 2.5 | 2.0 | 1.7 | 2.6 | 2.0 |
| 1.6 | 2.0 | 1.1 | .5 | .5 | 1.4 | 1.1 | 1.4 | 1.3 | .5 | .3 | 1.6 |
| 2.2 | 1.9 | 1.7 | 4.0 | 1.3 | 1.6 | 1.2 | 3.5 | 2.8 | 4.0 | 1.7 | 1.6 |
| 1.9 | 1.9 | 2.0 | 2.0 | .7 | 1.8 | 1.8 | 1.6 | 2.5 | 2.0 | .9 | 1.8 |

Foldout 4 (Cont. on next page)

Table 16 (Cont.)

| Region of Residence | NO. OF APPLICATIONS TOTAL | SI | AYI | ISI | RES. | CONF. |
|---|---|---|---|---|---|---|
| East South Central | 6.6 | 6.8 | 6.1 | 4.9 | 5.6 | 8.2 |
| Kentucky | .9 | 1.0 | .6 | .8 | .4 | 2.5 |
| Tennessee | 1.8 | 1.9 | 1.3 | 2.1 | 2.1 | 3.3 |
| Alabama | 2.5 | 2.7 | 2.1 | 1.5 | 1.4 | 1.0 |
| Mississippi | 1.2 | 1.2 | 2.1 | .6 | 1.6 | 1.3 |
| West South Central | 10.4 | 10.4 | 9.0 | 11.3 | 10.1 | 13.7 |
| Oklahoma | 1.6 | 1.5 | 1.7 | 2.8 | 1.4 | 1.6 |
| Arkansas | 1.6 | 1.7 | 1.0 | 1.8 | .3 | 1.7 |
| Louisiana | 1.9 | 1.7 | 2.1 | 3.1 | 2.4 | 4.0 |
| Texas | 5.1 | 5.3 | 4.1 | 3.5 | 5.9 | 6.2 |
| Mountain | 6.4 | 6.5 | 7.9 | 3.3 | 5.9 | 4.5 |
| Montana | .6 | .6 | 1.1 | .2 | .4 | .2 |
| Idaho | .5 | .5 | .9 | .4 | .1 | 1.5 |
| Wyoming | .3 | .3 | .6 | * | .3 | .2 |
| Colorado | 1.4 | 1.4 | 2.3 | .8 | 1.8 | 1.0 |
| New Mexico | 1.0 | 1.1 | 1.0 | .2 | .8 | .5 |
| Arizona | 1.3 | 1.4 | .5 | .6 | 2.1 | .2 |
| Utah | .9 | .9 | 1.2 | .6 | .4 | .8 |
| Nevada | .3 | .3 | .2 | .4 | .0 | .0 |
| Pacific | 12.2 | 12.0 | 12.9 | 14.1 | 11.7 | 10.6 |
| Washington | 1.9 | 1.8 | 3.0 | 1.6 | .8 | 4.1 |
| Oregon | 1.6 | 1.6 | 2.0 | 1.7 | .8 | 1.8 |
| California | 8.1 | 8.1 | 7.2 | 9.7 | 9.9 | 4.0 |
| Alaska | .1 | .0 | .2 | .0 | .0 | .1 |
| Hawaii | .4 | .3 | .5 | 1.0 | .2 | .4 |
| Cities | | | | | | |
| New York | 2.3 | 2.3 | .9 | 4.3 | 3.2 | 1.5 |
| Chicago | .4 | .4 | .6 | .5 | 1.3 | .9 |
| Los Angeles | .3 | .3 | .2 | .5 | .4 | .9 |
| Philadelphia | .6 | .6 | .3 | .6 | .8 | 1.1 |
| Detroit | .6 | .6 | .3 | .6 | .5 | 1.5 |
| Houston | .4 | .4 | .2 | .5 | .4 | .8 |
| Baltimore | .5 | .5 | .3 | .5 | .6 | .5 |
| Cleveland | .2 | .2 | .1 | .3 | .3 | .4 |
| Washington | .2 | .2 | .2 | .3 | .1 | .5 |
| St. Louis | .2 | .2 | .3 | .2 | .4 | .5 |
| Milwaukee | .3 | .3 | .1 | .3 | 1.0 | .5 |
| San Francisco | .2 | .2 | .2 | .2 | * | .8 |
| Boston | .2 | .2 | .1 | .2 | .0 | .5 |
| Dallas | .3 | .3 | .1 | .3 | .1 | .5 |
| New Orleans | .2 | .2 | .2 | .2 | .5 | .9 |
| Pittsburgh | .3 | .3 | .2 | .3 | .4 | .7 |
| San Antonio | .1 | .1 | .2 | .1 | .2 | .8 |
| Seattle | .2 | .2 | .2 | .2 | .1 | .5 |
| San Diego | .1 | .1 | .1 | .2 | .3 | .5 |
| Buffalo | .1 | .1 | .1 | .1 | .2 | .4 |
| TOTAL | 7.7 | 7.7 | 4.9 | 10.3 | 11.0 | 15.0 |

| NO. OF APPLICANTS | | | | | | NO. OF PARTICIPANTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | SI | AYI | ISI | RES. | CONF. | TOTAL | SI | AYI | ISI | RES. | CONF. |
| 7.4 | 8.0 | 7.9 | 4.9 | 6.2 | 8.2 | 5.5 | 5.8 | 7.0 | 4.8 | 4.7 | 7.5 |
| 1.0 | 1.1 | .9 | .7 | .4 | 2.4 | 1.0 | 1.2 | .9 | .7 | .4 | 2.5 |
| 2.2 | 2.3 | 1.4 | 2.1 | 2.8 | 2.6 | 1.6 | 1.3 | 1.3 | 2.1 | 1.7 | 2.7 |
| 2.6 | 2.9 | 3.2 | 1.5 | 1.3 | 1.8 | 1.7 | 1.8 | 2.2 | 1.6 | .7 | .8 |
| 1.4 | 1.5 | 2.2 | .5 | 1.6 | 1.2 | 1.1 | 1.4 | 2.5 | .5 | 1.8 | 1.4 |
| 10.8 | 10.7 | 9.7 | 11.4 | 11.0 | 14.7 | 10.4 | 9.6 | 9.6 | 11.6 | 11.3 | 15.1 |
| 1.8 | 1.5 | 2.0 | 2.7 | 2.3 | 1.5 | 2.3 | 1.9 | 2.6 | 2.8 | 3.7 | 1.4 |
| 1.4 | 1.4 | 1.3 | 1.8 | .4 | 1.8 | 1.4 | 1.2 | 1.1 | 1.9 | .3 | 2.0 |
| 2.4 | 2.3 | 1.8 | 3.1 | 2.1 | 4.8 | 2.2 | 1.5 | 2.1 | 3.2 | 2.1 | 5.5 |
| 5.0 | 5.4 | 4.5 | 3.5 | 6.2 | 6.5 | 4.5 | 5.0 | 3.7 | 3.7 | 5.2 | 6.3 |
| 5.7 | 5.9 | 7.4 | 4.1 | 5.7 | 4.8 | 5.5 | 6.4 | 6.9 | 4.1 | 5.2 | 4.9 |
| .5 | .6 | .9 | .2 | .5 | .3 | .5 | .6 | .9 | .2 | .7 | .2 |
| .6 | .6 | .7 | .4 | .2 | 1.5 | .6 | .8 | .7 | .4 | .0 | 2.0 |
| .4 | .4 | .3 | * | .1 | .3 | .3 | .5 | .3 | * | .3 | .2 |
| 1.3 | 1.3 | 2.1 | .8 | 1.8 | 1.0 | 1.2 | 1.5 | 2.1 | .8 | 1.6 | .8 |
| .8 | .9 | .5 | .2 | .8 | .5 | .6 | .9 | .8 | .2 | .7 | .6 |
| 1.1 | 1.1 | .3 | 1.5 | 1.9 | .3 | 1.2 | 1.1 | .6 | 1.6 | 1.8 | .2 |
| .7 | .6 | 2.1 | .6 | .3 | .8 | .7 | .8 | 1.3 | .6 | .1 | 1.0 |
| .3 | .3 | .2 | .3 | .0 | .0 | .3 | .3 | .2 | .3 | .0 | .0 |
| 11.5 | 10.9 | 10.3 | 14.1 | 13.6 | 11.5 | 12.2 | 11.1 | 12.1 | 14.1 | 13.6 | 13.3 |
| 1.7 | 1.7 | 2.6 | 1.5 | .9 | 4.8 | 1.8 | 2.0 | 2.7 | 1.6 | .6 | 6.1 |
| 1.5 | 1.5 | 1.6 | 1.8 | .9 | 1.8 | 1.5 | 1.4 | 1.8 | 1.8 | .5 | 2.2 |
| 7.4 | 7.1 | 5.1 | 9.7 | 11.2 | 4.3 | 8.0 | 1.0 | 6.3 | 9.7 | 11.9 | 4.5 |
| .1 | .1 | .5 | .0 | .1 | .1 | .1 | 7.2 | .3 | .0 | .0 | .0 |
| .5 | .5 | .3 | 1.0 | .5 | .4 | .7 | .6 | .9 | 1.0 | .6 | .6 |
| 2.6 | 2.5 | .9 | 4.0 | 1.4 | 1.5 | 2.3 | 2.2 | 1.8 | 2.7 | 2.4 | 1.8 |
| .4 | .3 | .7 | .5 | .8 | .8 | .5 | .4 | 1.3 | .5 | .7 | 1.0 |
| .4 | .3 | .4 | .5 | .2 | .7 | .4 | .3 | 1.4 | .5 | .1 | .8 |
| .6 | .6 | .5 | .6 | .6 | 1.1 | .7 | .6 | 1.8 | .6 | .4 | 1.0 |
| .6 | .6 | .5 | .6 | .4 | 1.2 | .6 | .6 | 2.0 | .6 | .4 | 1.4 |
| .4 | .4 | .4 | .4 | .4 | .6 | .4 | .4 | 1.1 | .4 | .1 | .6 |
| .5 | .5 | .4 | .5 | .4 | .4 | .5 | .5 | .3 | .5 | .4 | .4 |
| .2 | .2 | .2 | .2 | .4 | .4 | .2 | .2 | .8 | .2 | .7 | .4 |
| .3 | .2 | .3 | .3 | .2 | .6 | .3 | .2 | .9 | .3 | .0 | .6 |
| .3 | .3 | .2 | .2 | .6 | .6 | .3 | .3 | .7 | .2 | .7 | .4 |
| .3 | .2 | .2 | .2 | 1.0 | .4 | .3 | .3 | .8 | .3 | .7 | .4 |
| .2 | .2 | .2 | .2 | .2 | .7 | .2 | .2 | .4 | .2 | .3 | .6 |
| .2 | .1 | .2 | .2 | .0 | .6 | .2 | .2 | .5 | .2 | .0 | .6 |
| .3 | .3 | .2 | .2 | .0 | .4 | .3 | .3 | .4 | .2 | .0 | .6 |
| .2 | .2 | .2 | .2 | .3 | .7 | .2 | .2 | .5 | .2 | .3 | .4 |
| .3 | .3 | .3 | .3 | .5 | .4 | .3 | .3 | .7 | .3 | .4 | .8 |
| .1 | .1 | .2 | .1 | .2 | .7 | .1 | .1 | .4 | .1 | .1 | .4 |
| .1 | .2 | .2 | .2 | .2 | .6 | .2 | .2 | .6 | .2 | .0 | .4 |
| .1 | .2 | .2 | .1 | .3 | .4 | .2 | .2 | .4 | .1 | .7 | .4 |
| .1 | .2 | .2 | .1 | .3 | .4 | .2 | .2 | .0 | .1 | 3 | .4 |
| 8.4 | 8.2 | 7.3 | 9.9 | 8.4 | 13.4 | 8.6 | 7.8 | 18.3 | 8.4 | 8.9 | 13.1 |

Foldout 5 (Cont. on next page)

## Distribution of Participants by State of Employment and State of Institute Participation (States Grouped by Census Division)

Table 19

| State of Employment | State of Institute Participation | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 12 | 13 | 14 | 15 | 16 | 21 | 22 | 23 | 31 | 32 | 33 | 34 | 35 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
| 11 Maine | 91 | 15 | 9 | 12 | 3 | 2 | 16 | 6 | 1 | 2 | 1 | 3 | 2 | 1 | 1 | 2 | | | | | |
| 12 New Hampshire | 12 | 95 | 4 | 16 | 1 | 7 | 14 | 2 | 4 | 6 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | | | 1 |
| 13 Vermont | 7 | 20 | 56 | 10 | 2 | 4 | 12 | 3 | 5 | 1 | 1 | 1 | 2 | | 1 | 2 | | | | | |
| 14 Massachusetts | 39 | 32 | 14 | 730 | 44 | 26 | 74 | 21 | 19 | 16 | 23 | 42 | 16 | 7 | 6 | 4 | 4 | | | 1 | |
| 15 Rhode Island | 1 | 4 | 3 | 23 | 103 | 5 | 7 | 2 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | | | | | | |
| 16 Connecticut | 6 | 8 | 7 | 41 | 16 | 358 | 51 | 19 | 14 | 11 | 16 | 9 | 11 | 3 | 1 | 2 | | | | 1 | |
| 21 New York | 52 | 12 | 14 | 61 | 32 | 39 | 2610 | 117 | 98 | 54 | 68 | 23 | 51 | 27 | 21 | 2 | 9 | 3 | 3 | | |
| 22 New Jersey | 24 | 7 | 6 | 25 | 10 | 10 | 180 | 732 | 105 | 24 | 19 | 28 | 10 | 3 | 8 | 3 | 3 | 2 | | | |
| 23 Pennsylvania | 14 | 15 | 1 | 32 | 13 | 11 | 110 | 62 | 1307 | 96 | 49 | 46 | 24 | 11 | 11 | 11 | 12 | 3 | 2 | 1 | 4 |
| 31 Ohio | 9 | 4 | | 22 | 11 | 6 | 26 | 13 | 23 | 1065 | 79 | 39 | 41 | 12 | 16 | 11 | 15 | 4 | 2 | 3 | 6 |
| 32 Indiana | 6 | 3 | | 3 | 2 | 4 | 10 | 5 | 6 | 48 | 564 | 53 | 24 | 11 | 15 | 4 | 19 | | 4 | 1 | 5 |
| 33 Illinois | 4 | 11 | 4 | 11 | 9 | 5 | 31 | 12 | 15 | 64 | 140 | 753 | 41 | 46 | 40 | 35 | 105 | 6 | 11 | 3 | 14 |
| 34 Michigan | 7 | 4 | 4 | 12 | 6 | 4 | 29 | 7 | 26 | 69 | 59 | 48 | 854 | 25 | 27 | 12 | 9 | 4 | 3 | 3 | 7 |
| 35 Wisconsin | 3 | 4 | 1 | 8 | 2 | 1 | 15 | 5 | 8 | 32 | 51 | 75 | 53 | 371 | 62 | 24 | 11 | 10 | 17 | 7 | 7 |
| 41 Minnesta | 5 | 4 | 2 | 7 | 2 | 2 | 9 | 7 | 12 | 21 | 28 | 21 | 20 | 15 | 289 | 24 | 7 | 74 | 66 | 6 | 6 |
| 42 Iowa | 3 | 2 | 1 | 8 | 2 | 1 | 9 | 2 | 4 | 19 | 23 | 42 | 20 | 13 | 29 | 285 | 52 | 15 | 86 | 4 | 22 |
| 43 Missouri | 1 | 1 | 1 | 5 | 1 | | 14 | 3 | 2 | 12 | 22 | 21 | 8 | 8 | 7 | 15 | 333 | 1 | 2 | 3 | 90 |
| 44 North Dakota | | | 1 | | | | | 1 | | 8 | 3 | 3 | 7 | 1 | 9 | 5 | 1 | 216 | 8 | 3 | 3 |
| 45 South Dakota | | | | | | | 1 | | 1 | | 3 | 2 | 3 | 2 | 7 | 2 | 2 | 6 | 105 | 4 | 2 |
| 46 Nebraska | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 4 | 8 | 6 | 2 | 6 | 4 | 9 | 13 | 4 | 22 | 83 | 23 |
| 47 Kansas | 1 | | | 4 | 2 | | 3 | | 4 | 11 | 12 | 9 | 7 | 4 | 5 | 4 | 13 | 1 | 6 | 1 | 469 |
| 51 Delaware | 1 | | | 1 | 1 | 2 | 2 | 4 | 9 | 4 | 2 | 1 | 2 | | 2 | 2 | 1 | | | | |
| 52 Maryland | 3 | 2 | 1 | 12 | 2 | 7 | 9 | 20 | 20 | 13 | 14 | 10 | 4 | 3 | 3 | | 6 | 2 | | | |
| 53 D. C. | 1 | | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | | | | | | |
| 54 Virginia | 7 | | | 2 | 2 | | 5 | 2 | 11 | 6 | 9 | 3 | 2 | 1 | 4 | 2 | | | | 1 | |
| 55 West Virginia | 2 | | | 2 | | 1 | 1 | 2 | 8 | 20 | 4 | 3 | 2 | 2 | | 2 | 4 | | | 2 | |
| 56 North Carolina | 2 | 1 | 1 | 5 | 2 | | 8 | 4 | 8 | 12 | 10 | 5 | 4 | | | 3 | | 1 | | | |
| 57 South Carolina | 1 | | | | 4 | 1 | 4 | 3 | 8 | 2 | 1 | | 2 | | 2 | 1 | 1 | | 2 | | |
| 58 Georgia | | | | 2 | 2 | 1 | 2 | 3 | 2 | 6 | 3 | 12 | 1 | | 2 | 2 | 1 | 1 | | 1 | |
| 59 Florida | 10 | 2 | 2 | 9 | 2 | 6 | 15 | 10 | 21 | 24 | 17 | 11 | 12 | 2 | 8 | 6 | 9 | 3 | | 1 | |
| 61 Kentucky | | | | 6 | 1 | 2 | 3 | | | 21 | 15 | 3 | 3 | 1 | 4 | | 7 | | | | 1 |
| 62 Tennessee | | | | | | 1 | 4 | 2 | 2 | 5 | 1 | 3 | | | 2 | 3 | 4 | | | | 1 |
| 63 Alabama | 5 | | 1 | 6 | 1 | 1 | 4 | 4 | 6 | 17 | 7 | 3 | 10 | 3 | 2 | 5 | 2 | 3 | 3 | 2 | 4 |
| 64 Mississippi | 1 | | | 1 | | 1 | 1 | 2 | 6 | 13 | 6 | 5 | 6 | 2 | 3 | 2 | 4 | | | | 6 |
| 71 Arkansas | 1 | 1 | 1 | | | | 1 | 2 | 3 | 4 | 2 | 7 | 4 | 1 | 4 | 2 | 10 | 1 | | 2 | 6 |
| 72 Louisiana | 2 | | 1 | 2 | | 1 | 6 | 1 | 3 | 7 | 11 | 3 | 6 | 2 | 10 | 1 | 7 | | 2 | | 6 |
| 73 Oklahoma | | | 2 | | | | 1 | 1 | 1 | 5 | 3 | 4 | 3 | 1 | 1 | 2 | 9 | 1 | 1 | 4 | 31 |
| 74 Texas | 1 | 1 | 2 | 4 | 1 | 6 | 11 | 10 | 10 | 8 | 18 | 10 | 7 | 2 | 8 | 6 | 9 | 1 | 7 | 3 | 20 |
| 81 Montana | | | 1 | 1 | 1 | | 2 | | 1 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 7 | 3 | 2 | 1 |
| 82 Idaho | | 1 | | | | | 1 | 1 | 1 | | | 1 | 2 | | 2 | | | | 1 | | 2 |
| 83 Wyoming | | 1 | | 1 | | | 1 | | | 3 | 1 | 4 | 3 | 4 | 2 | 2 | | 1 | 4 | 1 | 4 |
| 84 Colorado | 1 | | | 8 | 1 | 2 | 9 | 3 | 2 | 2 | 4 | 16 | 10 | 3 | 8 | 4 | 6 | 2 | 8 | 3 | 12 |
| 85 New Mexico | | | 1 | 2 | | 1 | | 2 | | 4 | 3 | 7 | 1 | | 2 | 3 | 1 | 1 | | 2 | |
| 86 Arizona | 1 | | | 1 | 2 | 2 | 6 | 1 | 1 | 5 | 8 | 11 | 3 | 1 | 4 | 3 | 5 | | 1 | 1 | 8 |
| 87 Utah | 1 | | | 1 | 1 | | 2 | | | 1 | 1 | 5 | 3 | | 2 | 3 | 1 | 2 | 1 | | 3 |
| 88 Nevada | | | | | 2 | | | | | | | 3 | 1 | 1 | | | | 1 | | | |
| 91 Washington | 1 | | | 4 | 2 | 3 | 9 | 3 | 5 | 13 | 6 | 9 | 5 | 2 | 5 | 7 | 8 | 2 | 4 | 1 | 7 |
| 92 Oregon | 2 | | | | | | 4 | 1 | 2 | 5 | 68 | 13 | 8 | 4 | 7 | 3 | 5 | | 1 | 1 | 1 |
| 93 California | 12 | 2 | 4 | 29 | 9 | 7 | 36 | 22 | 20 | 31 | 53 | 60 | 28 | 4 | 23 | 14 | 25 | | 4 | 8 | 8 |
| 94 Alaska | | | | | | | | | | | | | 2 | | | 2 | | | | | |
| 95 Hawaii | | | | 1 | | 3 | 1 | 1 | 1 | 1 | 1 | 9 | 1 | 1 | 1 | 1 | | | | | |
| 98 Puerto Rico | | | | 1 | | | 3 | | 3 | 2 | 1 | | 2 | | 1 | 2 | | 1 | | | |
| TOTAL | 341 | | 147 | | 299 | | 3375 | | 1815 | | 1448 | | 1338 | | 677 | | 736 | | 379 | | 780 |
| | | 253 | | 1134 | | 536 | | 1126 | | 1803 | | 1453 | | 612 | | 542 | | 392 | | 159 | |

| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 61 | 62 | 63 | 64 | 71 | 72 | 73 | 74 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 91 | 92 | 93 | 94 | 95 | 98 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 1 | 1 | 3 | 1 | | | | | | | | 2 | | 1 | 2 | 1 | 1 | 1 | | | 2 | 1 | | | | 185 |
| | 1 | 1 | 2 | | 1 | | | 2 | | | | | | | | 1 | | | 1 | 1 | | | | | 1 | | 1 | 1 | | | 186 |
| | | | 5 | | | | | | | | | | | | 2 | 1 | 1 | | | | | 1 | 1 | | | 3 | 1 | | | | 142 |
| 2 | 6 | 9 | 5 | 1 | 3 | 1 | 2 | 3 | | | 2 | | | 1 | 6 | 2 | 4 | | | 9 | 2 | 6 | 3 | | 3 | 7 | 15 | | 2 | | 1213 |
| | | | 3 | | | | | 1 | | | | | | | | | | | | 1 | 1 | | 1 | | | | 2 | | | | 169 |
| 1 | 3 | 4 | 5 | | 3 | 2 | 1 | 1 | | 2 | | | | | 1 | | 1 | | | 5 | 1 | 4 | 1 | | | 2 | 10 | | | 1 | 621 |
| 2 | 12 | 29 | 19 | 1 | 12 | 1 | 2 | 5 | 1 | 6 | 2 | 3 | 1 | 1 | 11 | 9 | 11 | | 1 | 32 | 9 | 15 | 5 | | 3 | 9 | 65 | | 9 | 3 | 3575 |
| | 7 | 4 | 12 | 4 | 5 | | | 8 | 2 | 5 | | 1 | | 3 | 4 | 3 | 3 | | 4 | 13 | 5 | 3 | | | | 5 | 19 | | 1 | | 1309 |
| 5 | 15 | 12 | 21 | 19 | 18 | 3 | | 8 | 3 | 8 | 1 | 2 | 1 | 4 | 18 | 9 | 4 | 2 | 1 | 14 | 13 | 13 | 2 | | 3 | 7 | 28 | 1 | 1 | | 2071 |
| 1 | | 5 | 18 | 35 | 11 | 1 | 8 | 13 | 5 | 16 | 4 | 1 | | 4 | 14 | 14 | 3 | 1 | 4 | 21 | 15 | 7 | 5 | | 6 | 10 | 36 | | | | 1665 |
| | 3 | 2 | 2 | 1 | 8 | 5 | 3 | 8 | 10 | 13 | 1 | 3 | 1 | 5 | 13 | 10 | 1 | | | 7 | 9 | 3 | 2 | | 6 | 6 | 18 | | 1 | | 928 |
| 1 | 1 | 3 | 5 | 5 | 10 | 5 | 4 | 9 | 12 | 9 | 5 | 4 | | 5 | 23 | 20 | 9 | | 8 | 42 | 19 | 16 | 4 | | 13 | 22 | 65 | | 3 | 1 | 1683 |
| | 4 | 4 | 5 | 7 | 4 | 4 | 5 | 2 | 3 | 8 | 1 | 3 | 1 | 3 | 13 | 8 | 7 | | 6 | 15 | 7 | 7 | 2 | | 7 | 13 | 48 | | 1 | | 1407 |
| 1 | 1 | 4 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 6 | 1 | 1 | 1 | 2 | 12 | 6 | 10 | 2 | 6 | 18 | 11 | 5 | 4 | | 6 | 18 | 22 | | 1 | | 919 |
| | | 4 | | 1 | 5 | 4 | 1 | 3 | 1 | 5 | 1 | 1 | 1 | 1 | 12 | 7 | 13 | 1 | 3 | 20 | 9 | 7 | | | 6 | 16 | 27 | 1 | | | 777 |
| | 4 | 3 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 6 | | 5 | 11 | 10 | 3 | 3 | 7 | 15 | 12 | 5 | 2 | | 5 | 8 | 14 | 2 | | | 772 |
| | | 1 | 1 | 4 | 3 | 1 | 1 | 2 | 6 | 9 | | 4 | 12 | 3 | 16 | 8 | 2 | | | 8 | 10 | 2 | 1 | | 1 | 4 | 13 | | | 1 | 663 |
| | | | | | | 1 | | 1 | | 2 | | | | | 3 | 2 | 3 | 1 | 1 | 4 | 2 | 1 | 2 | 1 | 3 | 3 | 1 | | | | 300 |
| | | | | | 1 | | 1 | 1 | | | | | 1 | | | 4 | 3 | | | 5 | 2 | 4 | 2 | | 1 | 4 | 3 | | | | 172 |
| | | | | 1 | 1 | | | | | 3 | 1 | 1 | 2 | 1 | 13 | 3 | 1 | 1 | 5 | 13 | 5 | 5 | 2 | | | 3 | 8 | | | | 266 |
| | 1 | 1 | | | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 48 | 10 | | 1 | 2 | 9 | 5 | 4 | 4 | | 3 | 4 | 13 | | | | 674 |
| 62 | 1 | 4 | 3 | 1 | 1 | | | 1 | | | | | | | 1 | 1 | | 1 | | 3 | | 2 | | | | | 2 | | | | 117 |
| 8 | 191 | 128 | 28 | 12 | 14 | 2 | 3 | 3 | | 3 | 1 | 2 | | 2 | 1 | | 1 | | | 4 | 1 | 1 | | | 1 | 3 | 9 | | | | 550 |
| | 7 | 42 | 5 | | 2 | 2 | 1 | | | | | | | | | | | | | 1 | | | | | | | 2 | | | | 82 |
| | 13 | 36 | 595 | 4 | 53 | 9 | 2 | 5 | 7 | 13 | 4 | | | 2 | 4 | | | | | 2 | 1 | | | | 1 | 1 | 3 | | | | 812 |
| | 3 | 1 | 12 | 199 | 10 | 1 | 1 | 7 | 1 | 1 | | | | | 2 | 2 | | | 1 | 5 | 3 | | 2 | | | 1 | 2 | | | | 309 |
| | 5 | | 30 | 1 | 610 | 9 | 8 | 7 | | 18 | 8 | 3 | | 3 | 6 | 2 | 2 | | 2 | 1 | 3 | | | | | 3 | 3 | 1 | | | 791 |
| | 11 | 3 | 20 | 2 | 86 | 184 | 16 | 7 | | 13 | 8 | | | 4 | 5 | 2 | 1 | | | 3 | 4 | | | | | | 2 | | | | 403 |
| | 4 | 3 | 8 | | 20 | 29 | 467 | 12 | 1 | 28 | 40 | 2 | | 2 | 2 | 3 | 1 | | | 7 | 1 | 5 | 1 | | | 3 | 4 | | | | 684 |
| | 8 | 3 | 13 | 10 | 61 | 9 | 28 | 859 | 8 | 24 | 40 | 12 | 2 | 8 | 10 | 19 | 1 | | 1 | 15 | 10 | 8 | 3 | | 3 | 8 | 13 | 1 | | 3 | 1349 |
| | | 1 | 3 | 7 | 5 | 5 | 2 | 2 | 226 | 31 | 2 | 1 | | 1 | 1 | | | | | 2 | 3 | 2 | | | | 1 | | 1 | | | 363 |
| | 1 | | 5 | | 11 | 4 | 9 | 3 | 13 | 466 | 14 | 8 | 1 | 4 | 1 | 2 | 1 | 1 | 2 | 1 | | 3 | | | | 1 | 2 | | 1 | | 582 |
| | | 3 | 9 | 3 | 22 | 8 | 37 | | 4 | 30 | 386 | 15 | | 14 | 5 | 8 | 2 | | 1 | 4 | 2 | 1 | 1 | | 1 | 1 | 11 | 1 | | | 658 |
| | | | | 1 | 8 | 1 | 15 | 3 | | 17 | 24 | 216 | | 22 | 6 | 10 | 1 | | 1 | 3 | 5 | 6 | 1 | | | 2 | 3 | | | | 404 |
| | | 2 | 2 | | 4 | | 3 | 2 | | 20 | 1 | 10 | 367 | 4 | 27 | 24 | 1 | | 1 | | 5 | 2 | 2 | | | 6 | 6 | | | | 541 |
| | 1 | 4 | 3 | 1 | 9 | | 4 | 5 | 1 | 4 | 15 | 22 | 6 | 601 | 25 | 34 | | | 2 | 3 | 8 | 6 | 4 | | 1 | 3 | 27 | | | | 860 |
| | | | | 2 | 4 | | 1 | 2 | | 4 | 3 | 3 | 11 | 1 | 641 | 36 | 3 | | 1 | 6 | 8 | 3 | 2 | | | 2 | 18 | | | | 821 |
| | 3 | 4 | 5 | 4 | 2 | 5 | 7 | 30 | 5 | 12 | 10 | 9 | 12 | 24 | 90 | 1130 | 4 | 4 | 4 | 24 | 34 | 16 | 3 | | 3 | 6 | 40 | | | | 1635 |
| | 1 | | | | 2 | | 1 | | | 2 | | | | 1 | 3 | 2 | 74 | 2 | 3 | 8 | 5 | 2 | 5 | | 10 | 6 | 7 | | | | 171 |
| | | | | | 1 | | | | | | | 1 | 1 | | 3 | | | 147 | 1 | 6 | 2 | 3 | 16 | 1 | 15 | 3 | 2 | | | | 214 |
| | | 1 | | 1 | | | 1 | | | | | 1 | | | | | 9 | 5 | 28 | 12 | 1 | 1 | 3 | | 4 | 3 | 4 | | | | 106 |
| | | 1 | | 4 | | | | 5 | 1 | 4 | | 1 | | 1 | 15 | 3 | 5 | 3 | 3 | 244 | 16 | 6 | 9 | 1 | 5 | 6 | 20 | | | | 457 |
| 1 | | | | 1 | 1 | 1 | 1 | 2 | | | | | | | 19 | 19 | 1 | 1 | 9 | | 138 | 6 | 1 | 1 | 1 | 1 | 9 | | | | 243 |
| 1 | | | 1 | | 2 | 2 | 2 | | 1 | 2 | 2 | 3 | 1 | 2 | 6 | 8 | 2 | 1 | 7 | 17 | 4 | 240 | 3 | 4 | 1 | 9 | 26 | | | | 411 |
| | | | | | | | 1 | 1 | | | | | | 1 | 1 | | | 3 | 1 | 8 | 4 | 3 | 91 | 4 | 4 | 6 | 8 | | | | 163 |
| | | | | | | | | | | 1 | 1 | | | | 2 | 1 | 1 | 4 | | | | 4 | 4 | 67 | 1 | 1 | 8 | 1 | | | 104 |
| | 3 | | | 1 | | 2 | | 1 | | 1 | | 1 | | 2 | 9 | 8 | 9 | 17 | 6 | 16 | 7 | 8 | 13 | 4 | 378 | 57 | 57 | 5 | 1 | | 702 |
| | 1 | | | 2 | 5 | | 1 | | | 2 | | | | | 3 | 3 | 2 | 14 | 4 | 11 | 13 | 1 | 4 | 3 | 19 | 307 | 38 | 1 | | | 564 |
| | 5 | 2 | 3 | | 1 | | | 5 | 1 | 8 | 2 | 3 | 6 | 7 | | 9 | 19 | 9 | 10 | 47 | 28 | 42 | 21 | 26 | 41 | 94 | 2098 | 3 | 4 | | 2900 |
| | | | | | 1 | | | 1 | | | | | | | 2 | | | | 1 | 3 | 1 | | 11 | | 1 | | | 32 | | | 57 |
| | | | | | | | | | | 1 | | | | | | 2 | | | | | | | | | 3 | 2 | 2 | | 252 | | 284 |
| | | 2 | | | | | | 2 | 1 | | 1 | | | | 1 | | 1 | | | | | | | | | | 3 | | | 732 | 759 |
| | 316 | | 851 | | 1028 | | 644 | | 318 | | 585 | | 429 | | 1111 | | 222 | | 139 | | 445 | | 244 | | 560 | | 2839 | | 277 | | 37,783 |
| 85 | | 326 | | 337 | | 306 | | 1041 | | 801 | | 345 | | 744 | | 1455 | | 224 | | 710 | | 480 | | 112 | | 682 | | 51 | | 741 | |